

DEPARTMENT OF ECE

"T3 Examination, December-2022"

SEMESTER	γ		
		DATE OF EXAM	21.01.2023
SUBJECT NAME	Basics of Electrical and Electronics Engineering	SUBJECT CODE	ECH 103 B-T
BRANCH	B.Tech Robotics and Artificial intelligence	SESSION	I
TIME	3 hours	MAX. MARKS	100
PROGRAM	B.Tech	CREDITS	4
NAME OF FACULTY	Dr.Yogita, Mr.Lokesh	NAME OF COURSE COORDINATOR	Dr.K.Deepa

	COLIT	COO	RDINATOI	3		
		All questions are comp	ulsory.	Cher	Rotul	
(Q.NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	PL
	Q1(A)	The value of current I in 1 Ω resistor is (a)0A (b) 6A (c)5A (d) 10A		CO1	0.71	1.4.1
PADT A	Q1(B)	Which of the following is bielectrical device? (a)Resistor (b) Diode (c) Transistor (d) LED Current in the resistance R ₁ is	1	COI .	BTI BTI	1.4.1, 3.2.2
	QI(C)	(a) 0.625A (b) 62.5A (c)6.25A (d) None of these	= =	COI		1.4.1,

1					8, 8,
9	Series RLC circuits are also known as			1	
Q1(1	(-) = 0.001 (a) 110110 (of			1.4.1,
	these	1	COI	BT1	3.2.2
	Identify the diode current in Amperes				
		1	-		× 1 1 4 1
			II.	11.6	- ASSA
Minn	Si Si			A	
	44			100	
Old	5.6 kΩ				
Q1(E	3.0 KL2			8, 712	3.4.1
		en la maria la .			
	The state of the s	1		10 THE	
	(A) 0 (b) 2(c) 6.7 (d) None of these	1	2	- 元	
	. (a) Trong of these	1 .	CO2	DTO	
	Load line analysis is used in		CO2	BT3	
010	circuite			0.00	1 1 1
Q1(F	(a) Nonlinear (b) Linear (c) bilateral (d)				1.4.1,
	Unilateral	1	CO2	BTI	3.2.2
	means increasing the			D11	1.
	signal strength			s f -	100
entra cons					
Q1(G	(a) Amplification (b) Attenuation (c)				.3.4.1
	Biasing (d) None of these.		8 _	L 923 _ 1	
200	Diability (d) Professional Control of the Sec.	1			
	Arrange the transistor terminals in terms of	1	CO3	BT1.	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
	doping starting from lightly doped	-	= 5		
Q1(H)	(a)(c)-		₹ .		3.2.2,3.
	(6)		f	-110	4.1
		1	CO3	D.C.1	
	Which of the following electrical characteristics	·	COS	BT1	The state of the s
	is not exhibited by an ideal op-amp?				
Q1(I)	(a)) Infinite output resistance (b) Infinite			8 8	111
	bandwidth (c) Infinite voltage gain				1.4.1
	(d) Infinite slew rate	- 1	CO4	BTI	
	Which feedback increases the gain of the		7.63	1	
	amplifier?		g. g. mi		I show in the
Q1(J)	(a) Positive (b) Negative (c) Both a and b (d)		8	101	1.4.1,
Wilson C.	None of the above				. 3.2.2
		I	CO4	BTI.	
	Apply Mesh analysis for the given circuit and		, P		
	determine the mesh currents	-W No. 112			
	5Ω 4Ω 5V 8Ω	2		1.2	
				41.000	
	} ⁵ ₄ }	}			1.4.1;
	$\begin{bmatrix} 20 \text{ V} \\ 7 \end{bmatrix}$ $\begin{bmatrix} 3\Omega \\ 1 \end{bmatrix}$ $\begin{bmatrix} 3\Omega \\ 1 \end{bmatrix}$ $\begin{bmatrix} 2\Omega \\ 1 \end{bmatrix}$ $\begin{bmatrix} 2\Omega \\ 1 \end{bmatrix}$ $\begin{bmatrix} 3\Omega \\ 2 \end{bmatrix}$. = = [3.2.2
	B k ¹ / k ² / k ³ / B ""		2.0	x = 1	
	B ₂ T 5V B ₃ T 5V			5	
Q2	. P ₂ P ₃ .	10			
~~		10	. CO1	BT3	
	Explain the VI characteristics of PN junction			3 360 0	1.4.1,
Q3	diode and determine the operating point.	10	CO2 ·	BT2	3.2.2

PART-B

S)					58.54	
		Illustrate the working of full wave rectifier with			(G 7/5	1.4.1
	Q4	and without filter	10	CO2	ржэ	
		Solve the given transistor configuration and	10		BT2	1 4 1
-		determine the minimum value of I _B that will				1.4.1,
		produce saturation			10	3,2.2
		10 V		- 15	20 1/2	
		Ŷ			3	
	100		-			
		. 4.7 kΩ			V NAS	
10			Marine III			. 114
				/		
		R _B				
		V _{IN} Φ _{DC} = 200		*		
		1.2 ΜΩ				
					4.00	-1-11
					os i	L =
**************************************	Q5	=	5	CO3	BT3	III. ži
PART-C				CO3		1.4.1,
5	06	Explain how does a transistor work as amplifier		Ge _		3.2.2
	Q6	in CE configuration	. 10		BT2	20
		Classify and Explain in detail about the various		CO3		1.4.1,
	Q7	feedback topologies	10	N 1	BT4	3.2.2
1,2 ,						3.4.1
	Q8	Light the ideal above to it.	- Tu		14 T. L 1	. Telephone
	Vo .	List the ideal characteristics of an OP-amp	55	CO4	BT1	
	- 0	What is an oscillator? Explain any one oscillator		CO4		144,
	Q9	in detail	10	X. 1	BTI.	3.2.2
NIE WIE		A		CO4		3.4.1
	Q10	Analyze how an Operational amplifier can be		**		
	QIO	used as Voltage subtractor? Derive its gain Define the following terms	10		BT4	
		(a) Barkhausen criteria for oscillations		CO4		
		(b) Slew rate				* Hg
		` '				
		(c) Power factor		2 2 10	* * * * * * * * * * * * * * * * * * * *	
		(d) Zener breakdown				
	Q11	(e) Saturation mode				1.4.1.
	(11)		10	9	BT1	3.2.2
				STREET, STREET		

************* END *********



DEPARTMENT OF ECE
"T3 Examination, December-2022"

SEMESTER	I .	DATE OF EXAM	12.01.2023
SUBJECT NAME	Basics of Electrical and Electronics Engineering	SUBJECT CODE	ECH 103B-T
BRANCH	B.Tech ECE-VLSI, ME, AIML, CSTI, CDA	SESSION	I.
TIME	3 HOURS	· MAX. MARKS	100
PROGRAM	B.Tech	CREDITS	4
NAME OF FACULTY	Dr.Yogita, Mr.Lokesh	NAME OF COURSE COORDINATOR	Dr.K.Deepa

All questions are compulsory.

Q.NO.		QUESTIONS	MARKŚ	CO ADDRESSED	BLOOM'S LEVEL	P.
	Q1(A)	Mesh analysis method uses (a) Kirchhoff's voltage law (b) Thevenin's theorem and Ohm's law (c) Kirchhoff's current law (d) The superposition theorem and Thevenin's theorem	I	CO1	BT1	1.4.1
PART-A	Q1(B)	The node volage V_A is $\begin{array}{cccccccccccccccccccccccccccccccccccc$		COI	BTI	1.4.1, 3.2.2
	Q1(C)	The circuit whose properties are same in either direction is known ascircuit (a)Bilateral (b) Unilateral (c) Reversible (d) None of these	1	CO1	BT1	1.4.1, 3.2.2

	()					
		Q point is also called .				in Program III.
	01/00	(a) Zener breakdown (b) Avalanche breakdown				1.4.1,
	Q1(D)	(c) point of work(d) operating point			* 1	3.2.2
			. 1	CO1.	BT1	
		Two ideal diodes are connected. The current				SHIP D
		flowing through R1 is				
		2.02				
		$R_1 \rightarrow D_1 \qquad \nabla_{D_2}$				116240400
	Q1(E)	10 V T R: ₹3Ω · R, ₹2Ω ·			-	3,411
		333 323		5 55 55		
		(a)3.13 (b) 10 (c) 10 (d) 2.5				
			1	. CO2.	ВТ3	* id 64
		This istype of transistor				
		°C		H		
	25			2		1.4.1
	Q1(F)	В				1.4.1,
	WEEKP				1 1/2	
,			•	12	1 1 1 m	
	A PARTY	°E	1	CO2	BT1	142
		For a BJT, the common – base current gain $\alpha =$				
		0.98 and the collector base junction reverse bias		8		pervulsered a
		saturation current $IC0 = 0.6\mu A$. This BJT is		==		
			60 KS60 SEA	E HIMEET -	- 100	
	Q1(G)	connected in the common emitter mode and				3.4.1
		operated in the active region with a base drive				
	1	current $IB = 20\mu A$. The collector current IC for				
	a illem	this mode of operation is		4 4 7		
5			1	CO3	BT1	
		An oscillator employs feedback				
	Q1(H)	(a)Positive (b)Negative (c) Neither positive nor				3.2.2,3.4
		negative (d)Data insufficient	. 1	CO3	BT1	
* 0		What signal corresponds to pin 3 of this			DII	
		operational amplifier?		8 A .		
		1 8			16.16	
		1 0				
		2 7	.10 20	. 0 4		
	OIA					
	Q1(I)	3 + 6		= 71		1.4.1,
				e_	- 1	
		4 5			g te	
	S Lo	la di			- 11 - 2 - 1	
	-	(a)The non-inverting input (b) The non-inverting				
	LA LA	output. (c) The positive supply voltage.(d) The				
	116	inverting input.	"1	CQ4	BTI	

		- M			أأبلة ويهيوالون	11.171
	Q1(J)	The gain of an amplifier without feedback is 100 db. If a negative feedback of 3 db is applied, the gain of the amplifier will becomedB (a)5 (b)300 (c) 103 (d) 97				1.4.1, 3.2.2
			1	CO4 ·	BT1	
		Apply Thevenin Theorem for the given circuit and determine the current flowing through $8K\Omega$ resistor				
		,			A 100 E	
				- 100 - 100		1.4.1;
		12V (=) 16KQ \$ 0 8 KQ \$	5 E2425-416	. No gradile . II II		
	Q2		10	COI	BT3	
	Q2	(a) Draw DC load line on VI characteristics	10		91.7	- 1
		of PN junction diode to determine Q				
PA		point (5 Marks)		, ,		
PART-B		(b) Determine the current I in the circuit				
ж		shown in figure. Assume the diodes to			110	
		be of silicon and forward resistance of				
	V Harris	diodes to be zero.(5 marks)	·	n = 2		1.4.1,
100	mann	y 525			an 1	3.2.2
		\mathcal{D}_1				
		210		25 411		es retain
		+				
100			.00			
		$P_1 = \sum_{i=1}^{N} P_i = \sum_{i=1}^{N} P_i \qquad P_i = \sum_{i=1}^{N} P_i $				
	Q3		. 10 .	CO2	BT2	
	Q5	2 7	. 10		DIZ	1.4.1.
in the same	0.1	Illustrate the working of full wave rectifier with	1.0	000	DTO	
	Q4	and without filter Solve the circuit for $R_B=300k\Omega$ and	10	CO2	BT2	1.4.1,
		$R_B=150K\Omega$. Calculate I_B I_C and V_{CE} . Also		·	3	3.2.2
1		determine the region of operation			u So ii	
*					B 25 B	
		0+V _{CX} , × 10 V		1 1		
ra		Res to to the sku		0 " "		
PART-C					W 100 11 100	
7		β # 10D (Si translator)			11. 428	
		(5 surisiste)	7000 mm 3 m 1	· 8 · 8 · · · · · · · · · · · · · · · ·		
		<u>4</u> "				
	Q5	W	5	CO3 ·	BT3	
		Assume the transistor is operated in CE	197	· CO3		1.4.1,
	06	configuration and explain the process of	10		ртэ	3.2.2
	Q6	amplification of a weak signal	10	CO3	BT2	1.4.1,
		Classify and Explain in detail about the various				3.2.2
	Q7	feedback topologies	10		BT4	

		Explain the pin configuration of an operational amplifier and discuss the concept of virtual		8		3.4.1
	Q8	ground.	5	CO4	BTI	
		What is an oscillator? Explain any one oscillator		·CO4	1	1.4.1,
	Q9	in detail	10		BTI	3.2.2
		Analyze how an Operational amplifier can be		CO4		3.4.1
	Q10	used as summing amplifier? Derive its gain	_10		BT4	
		Define the following terms		CO4		
1 - 1		(a) Barkhausen criteria for oscillations	=	2 -	THE THE SE	
		(b) CMRR		2.	16 16	o particio
		(c) Form and peak factor	D -300	1		
84 1		(d) offset				
		(e) ideal diode		4 5		1.4.1,
	Q11		10		BTI	3.2.2

ENL

.



DEPARTMENT OF ECE
"T3 Examination, January -2023"

SEMESTER	l I	DATE OF EXAM	12.01.2023
SUBJECT NAME	Basics of Electrical Engineering	SUBJECT CODE	ECH101B-T
BRANCH	B.Tech ECE	SESSION:	i
TIME	3 hours	MAX. MARKS	100
PROGRAM	B.Tech	CREDITS	A
NAME OF FACULTY	Dr.Yogita, Mr.Lokesh	NAME OF COURSE COORDINATOR	Dr.K.Deepa

	Q.NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	PF .
		The Thevenin resistance for the given figure				
		with 80- Ω resistor as load resistor is				
PART-A	Q1(A)	R1 R3 R3 R3 R3 R9 Ω VA 80 Ω \downarrow	THE DATE IS TO			
		these				2 1
	Q1(B)	The power factor of a purely inductive circuit is (a)Zero (b)lagging (c) leading (d) unity		COI COI	BTI.	1.4.1, 3.2.2
	Q1(C)	Reactive power is (a)S=VI (b) P=VI Cosø (c) P=VIø (d) P=VI Sinø	1	CO1	BTI	1.4.1, 3.2.2

Series RLC circuits are also known as— Q1(E)			<u> </u>		- 5		4.71.51
these Identify the diode current in Amperes (A) 0 (b) 2(c) 6.7 (d) None of these (BT) (A) 0 (b) 2(c) 6.7 (d) None of these (BT) (A) 0 (b) 2(c) 6.7 (d) None of these (BT) (A) 0 (b) 2(c) 6.7 (d) None of these (BT) (A) 0 (b) 2(c) 6.7 (d) None of these (BT) (BT) (BT) (C) 0 (b) 2(c) 6.7 (d) None of these (C) 0 (b) 2(c) 1.7 (d) None of these (C) 0 (b) 2(c) 1.7 (d) None of these (C) 0 (b) 2(c) 1.7 (d) None of these (C) 0 (b) 2(c) 1.7 (d) None of these (C) 0 (c) 1.7 (d) None of these (C) 0 (c) 1.7 (d) None of			Series RLC circuits are also known as			A 515	1.44
Q1(E) (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0 (c) 0.7 (d) None of these (A) 0 (c) 0	Q	(D)	(a) Acceptor (b)Rejecter (c) Donor (d) None of		7		
QI(E) (A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (A) 1.4.1, (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (BT3 (CO2 (BT3 (A) 1.4.1, (BT3 (A) 1.4.1, (BT3 (A) 0 (b) 2(c) 6.7 (d) None of these (CO3 (BT1 (BT3		3070		1	CO1	BT1.	-3.2.2
(A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these ——————————————————————————————————		Astr F	Identify the diode current in Amperes			- Augs	a Hidiniya
(A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these ——————————————————————————————————			1 to 1	MI /A: G			
(A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these ——————————————————————————————————	100		Si Si				
(A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these ——————————————————————————————————	1		+12 Vo				
(A) 0 (b) 2(c) 6.7 (d) None of these (A) 0 (b) 2(c) 6.7 (d) None of these ——————————————————————————————————			h Lik			7.70	
(A) 0 (b) 2(c) 6.7 (d) None of these CO2 BT3	Q	1(E)	≥ 5.6 kΩ			1	341
Policy O(IC)			1	0		4 2 2	0.1.1
Policy O(IC)			÷			19	
Policy O(IC)			,		4		
Policy O(IC)			(A) 0 (b) 2(c) 6.7 (d) None of these		i		1 2 2 20
Policy operation of the circuit by providing power supply In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is— The value of negative feedback fraction is always			(1-1) 5 (0) 2(1) (d) 1 tono of those	1	CO2	BT3	
Supply In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is 3.4.1 The value of negative feedback fraction is always (a) Less than 1 (b) More than 1 (c) Equal to 1 (d) None of the above When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. 1 CO2 BTI 3.2.2 BTI CO3 BTI CO3 BTI CO4 BTI The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c.			means controlling the	· ·			
Supply In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is 3.4.1 The value of negative feedback fraction is always (a) Less than 1 (b) More than 1 (c) Equal to 1 (d) None of the above When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. 1 CO2 BTI 3.2.2 BTI CO3 BTI CO3 BTI CO4 BTI The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c.			operation of the aircrit by providing		T		
In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is The value of negative feedback fraction is always. (a) Less than 1 (b) More than 1 (c) Equal to 1 (d) None of the above When negative voltage feedback is applied to an amplifier, its voltage gain	Q	1(F)	operation of the effect by providing power		21		1.4.1,
In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is The value of negative feedback fraction is always			supply	•			-3.2.2
In the circuit shown in the figure, the BJT has a current gain (β) of 50. For an emitter base voltage VEB = 600 mV, the emitter collector voltage is The value of negative feedback fraction is always			⊕ if e	1	CO2	DTI	
has a current gain (β) of 50. For an emitter—base voltage VEB = 600 mV, the emitter—collector voltage is————————————————————————————————————			In the circuit shown in the figure, the BIT	• • • • • • • • • • • • • • • • • • • •	002	D1.1	
base voltage VEB = 600 mV, the emitter collector voltage is 3V 3.4.1 The value of negative feedback fraction is always	4.0		**				148
Collector voltage is————————————————————————————————————			nas a current gain (B) of 50. For an emitter				
Collector voltage is————————————————————————————————————			base voltage VEB = 600 mV, the emitter –			× . ***	
Q1(I) Q1(I) Q1(I) The value of negative feedback fraction is always		12	collector voltage is				
Q1(G) The value of negative feedback fraction is always (a) Less than 1 (b) More than 1 (c) Equal to 1 (d) None of the above When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. 3.4.1 CO3 BT1 CO3 BT1 CO4 BT1 1.4.1 1.4.1, 3.2.2	4.5				W 92	a - 2 m	, Esta
O1(I) O1(J) O			9 3 V		0 = 1		
O1(I) O1(J) O	01	1000					
The value of negative feedback fraction is always	QI	(G)	× .			, n e a l	3.4.1
The value of negative feedback fraction is always							1972
The value of negative feedback fraction is always				3			335-1
The value of negative feedback fraction is always		"L. (152
The value of negative feedback fraction is always			₹ 500kΩ		5 2	. 44 8 6	
The value of negative feedback fraction is always		1			*		
The value of negative feedback fraction is always			Ť Ť		2 00		a stellaristi
The value of negative feedback fraction is always	Flue		9 BY	/// 	CO3	RTI.	
Q1(II) (a) Less than 1 (b) More than 1 (c) Equal to 1 (d) None of the above I CO3 BT1 When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above I CO4 BT1 The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. Por a a signals			The value of negative feedback fraction is				
Q1(I) (a)Less than 1 (b)More than 1 (c) Equal to 1 (d) None of the above I CO3 BT1 When negative voltage feedback is applied to an amplifier, its voltage gain (a)Is increased (b)Is reduced (c) Remains the same (d)None of the above The Op-amp can amplify (a) a.c. signals only (b)2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. Por a a signals			always		n .		
(a) Less than I (b) More than I (c) Equal to I (d) None of the above When negative voltage feedback is applied to an amplifier, its voltage gain	016	CEEN				12/2	3.2.2,3.
When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. Para a signals			(a)Less than I (b)More than I (c) Equal to 1		N 595		4.36
When negative voltage feedback is applied to an amplifier, its voltage gain (a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c. Por a a signals			(d) None of the above	,	000	1 1 1	
amplifier, its voltage gain			When negative voltage feedback is applied to an	1	CO3	BT1	
(a) Is increased (b) Is reduced (c) Remains the same (d) None of the above The Op-amp can amplify (a) a.c. signals only (b) 2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c.	01		amplifier, its voltage gain		G	5 5	
Same (d)None of the above 1 CO4 BT1 The Op-amp can amplify (a) a.c. signals only (b)2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c.	QI	(1)	(a) Is increased (b) Is reduced (c) Remains the	-			1.4.1
The Op-amp can amplify (a) a.c. signals only (b)2. d.c. signals only (c) both a.c. and d.c. signals (d) neither d.c.				1	CO4	BTI	
(c) both a.c. and d.c. signals (d) neither d.c.			The Op-amp can amplify	•			
(c) both a.c. and d.c. signals (d) neither d.c.	010	D ((a) a.c. signals only (b)2. d.c. signals only			Vol. 30 10	1.4.1.
	2.(" ((c) both a.c. and d.c. signals (d) neither d.c.				
	1 2.	r	nor a.c. signals	1	CO4	BTI.	

, j.	2	The second secon				C
100		Utilize Mesh analysis for the given circuit and				177
35		find I		1	EVI.	
		5Ω A 5Ω 8 4Ω 			100	
70			ľ	-		1.4.1,
PART-B		=75 V \$26 Ω . \$12 Ω = 64 V		a_	1	3.2.2
~					40016	
ᅜ			Ser 1821	11.	T Carde S	
	Q2		10	COI	BT3	
7 50	130	How will you determine the operating point of a				1.4.1,
	Q3	diode and explain what is Zener breakdown	. 10	CO2	рто	3.2.2
	1	areas and explain what is zener breakdown	10	CO2.	BT2	-
NIE SA		Illustrate the working of half wave rectifier with			2 1	1.4.1
	Q4	and without filter	10	CO2	BT2	
		Explain the verieus Outside Mall. C		5	V 6	1.4.1,
	Q5	Explain the various Operating Mode of Transistor based on the biasing	_	000	i Postia	3.2.2
	Q5	Transistor based on the blashing	5	CO3 .	BT3	
		Explain how amplification of weak signal is		CO3		1.4.1,
07	Q6	done using transistor	10	/ x 1	BT2	3.2.2
		What are the Court of CC Hall of the		CO3		1.4.1,
	Q7	What are the four types of feedback topologies- Explain	1.0			3.2.2
	ν,	Calculate the output voltage	10		BT4	The state of the state of
		Carounate the output voltage	465.00	ex marsh in		3,41
		2R	2 11 2			
EL EL L					27T (#2) 1	
-		2V• Vo		8,		
PART-C		100		8		
7		R			214	
0		, \$ R			×	
		ĺ				30
i in	Q8		5	CO4	BTI	
				CO4	3 8 20	1.4.1,
	Q9	Explain the working of RC phase shift oscillator	10	8	BTI	3.2.2
	THE R	Illustrate how an Operational amplifier can be		CO4		3.4.1
		used as inverting amplifier? Also Discuss the				3.4.1
Sur	Q10	ideal characteristics of opamp	10		BT2	
		Define the following terms		CO4 .		
		(a) Barkhausen criteria for oscillations		- 1		
		(b) CMRR	*** 1190 3 **	· · · · · · · · · · · · · · · · · · ·		
		(c) Power factor			A PARTIES	
		(d) Norton theorem			2.4	
		(e) Differential amplifier		* *	1	1.4.1,
	Q11	7	10		BT1	3.2.2.
		********** END *:	****	*****		



		DEP	DEPARTMENT OF ECE	OF ECE					
		END TER	END TERM EXAMINATION JAN-2023	ON JAN-2023					
FACULT	Y NAME:	FACULTY NAME: Dr. Nitika		NAME OF COURSE COORDINATOR:Dr. Nitika	COORDI	NATOR:1	r. Nitika		
COURSE	COURSE NAME: RTL Synthesis with PLDs	COURSE NAME: RTL Simulation and COURSE CODE: Synthesis with PLDs ECH501B-T	CREDIT:	MAX. MARKS:100		TIME DURATION:3Hrs		DATE OF EXAM: 12.01.2023	XAM:
PROGRA	PROGRAM:M.TechECE	chECE	SEMESTER: 1st	st	Session: I	n: I			May V
Q.P	Q.NO.	QUESTIONS	ONS			MARKS	CO ADDRESSE D	BLOOM'S LEVEL	Ы
P A	1(A)	Sketch and Explain top-down design methodology for digital design in detail.	ology for digital	design in detail.		8	C01	L2	1.4.1, 2.2.2, 2.2.3
æ F	1(B)	Explain metastability.			s .	4	C01	L2	1.4.1, 2.2.2, 2.2.3
. A	1(C)	Explain need and design strategies for multi-c	for multi-clock domain designs.	ssigns.		8	C01	L3	1.4.1, 2.2.2, 2.2.3
Ь	Q2(A)	Design 8 to 1 multiplexer in Verilog.				8	C02	L4	1.4.1, 2.2.2, 2.2.3, 3.2.4
4 %	2(B)	Explain various loop statements in Verilog.				ъ	C02	Г3	1.4.1, 2.2.2, 2.2.3
T · B	Q3(A)	Draw the state diagram for a Moore type sequence detector to detect the sequence " $1001/0101$ ". Overlapping sequences are not accepted. Also write the VHDL code for the obtained state diagram.	ience detector t accepted. Also	o detect the sequel write the VHDL co	ıce de for	7	C02	L4	2,2,2,3,2,4
Ь	Q4(A)	What is skew, what are problems associated w	ssociated with it and how to minimize it?	to minimize it?		10	C03	L3	1.4.1, 2.2.2, 2.2.3
4	4(B)	What is floor planning? Explain with proper illustrations.	llustrations.			2	CO3	Г3	1.4.1, 2.2.2, 2.2.3
H	Q5(A)	What is ESD protection? Explain in details.		-		2	CO3	L3	1.4.1, 2.2.2, 2.2.3
٠ ٥	5(B)	Differentiate the following 1. Floor planning & placement. 2. FPGA & ASIC		_		10	003	Г3	1.4.1, 2.2.2, 2.2.3

Ь	Q6(A)	Q6(A) Discuss I.P. in different forms.	10	C04	L3	1.4.1, 2.2.2,
V						12.2.3
: ~	6(B)	6(B) Discuss Why low power VLSI design techniques is essential.	rv	C04	L3	1.4.1, 2.2.2,
-	STATE OF THE PARTY					2.7.3
F		Write short notes on the following				
	0.7	(a) Netlist				7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	<u>></u>	(b) Physical IP	15	C04	L3	1.4.1, 4.4.4,
2		(c) Speed issues.				ì
	TO STATE OF THE PARTY OF THE PA	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Man Colon	Distance of the last of the la	The Part of the little	S. October September 5
	A STATE OF THE SECOND	*************				



"End Term Examination, Jan-2023"

SEMESTER	I	DATE OF EXAM	16/01/2023
SUBJECT NAME	MICROCONTROLLERS AND PROGRAMMABLE DIGITAL SIGNAL PROCESSORS	SUBJECT CODE	ECH502B-T
BRANCH	M.Tech ECE	SESSION	, i
TIME	3 Hours	MAX. MARKS	100
PROGRAM	M.Tech	CREDITS	4
NAME OF FACULTY	Vijay Kumar Gill	NAME OF COURSE COORDINATOR	Vijay Kumar Gill

. Note: All questions are compulsory.

Q).NO.	QUESTIONS	MARKS	GO ADDRESSED	BLOOM' S LEVEL	Pi
	1	Illustrate ARM Cortex-M3 processor architecture?	20	CO1	BT4	1.1.1.
P/	2	How Stack is implemented in Cortex-M3?	10	CO1 .	BT2	1.1.1, 1.3.1
	3	Explain following instructions with examples: i) CLZ ii) MVN	10	CO2	BT2	1.1.1,
PART-A	4	How memory is mapped in ARM Cortex-M3? Explain ARM Cortex-M3 Memory System Features.	20	CO2	BT2	111,1
	5	Illustrate architectural structure of P-DSP-MAC unit?	10	C03	BT4	1.1.1, 1.3.1
	6	Explain the addressing modes for TMS320C6000 series processor?	10	C03	BT1	1.1.1,
	7	Illustrate the functional block diagram of TMS320C25?	20	CO4	BT3	1.1.1,

END

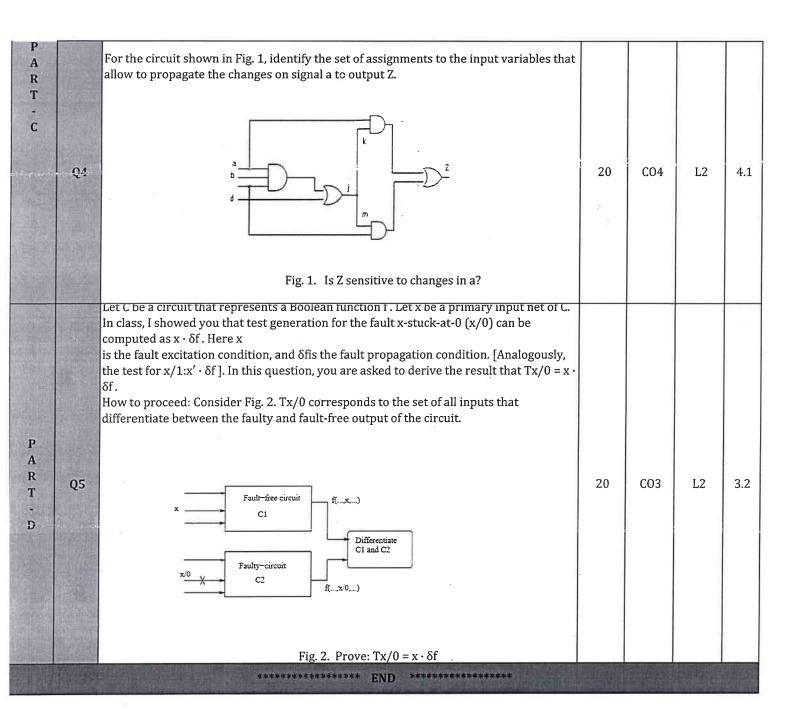
er mega ve vaja maga igi





ODD SEMESTER (AUG 2022-IAN 2023)

NIE S			ODD SEMESTER	(AUG 2022-J	AN 2023)			No.	
			END SEM QUESTION	PAPER STRU	CTURE (QPS)				
FACI	ULTY N	AME: Dr. Meenakshi Gu			NAME OF COURS	E COORE	INATOR:	Dr Mee	nakshi
SYST	EMS	ME: CAD OF DIGITAL M.Tech ECE	COURSE CODE: ECH509B	CREDIT: 3	MAX. MARKS: 10	TIME DURA 0 hrs	ATION 3	EXAM	i:
	artini, i	M. Tech ECE So	I; noice	SEMESTER:	1ST			19/01	1/23
	Q.NO.		QUESTIONS			MARI	CO ADDRES	BLOO!	
P A R T -	Q1	TRUE, prove it. Other FALSE. a) The Boolean function the Shannon's expansion XORs! b) The Boolean function c) If f is positive unate. Here fx = (fx) is the cond) If f is positive unate.	specified Boolean function. Assistate whether the following stawise, show a counter-example on f can be written as $f = fx \oplus x$ ion. Shannon's expansion has confis given as: $f = (x + fx) \cdot (x + fx) \cdot (x + fx) \cdot (x + fx)$ in x, then the complement (inverse for f in x, then the Boolean Differential f in	No points for j $x(fx \oplus fx)$. Hint $x(fx \oplus fx)$. Hint x(fx). But the ex- x(fx). x(fx). x(fx). x(fx). x(fx).	RUE or FALSE. If ust stating TRUE or As always, think of pression above has e represented as:		CO1	L2	2.1
P A R T B	Q2	of f. Prove that fc is TAL the condition from c bei two non-trivial Boolean note that the expression	olean function and let c be a cu JTOLOGY, i.e. fc \equiv 1. (Note that ing a cube to c being a set of cu functions such that $f \supset g$. Then in fg is called the generalized co g. We will consider generalize	the such that c this result is va bes. For examp it can be prove	Alid even if we relax ale, let f and g be an f and g be	20	CO2	L3	5.1, 8.2
	Q3	Consider the Boolean fural Identify the function go does not contain bin its support. b) Identify the function he function he form the function be contain be contain be contain become a 3-D cube, depict the functionships.	nction $f = ab + a'c + b'c'$. If that is the smallest function, leads that is the largest function on	naller than f, th	at is contained in	20	CO3	L4 .2	, 8.1,





"End Term Examination, Jan-2023"

SEMESTER	I	DATE OF EXAM	21/01/2023
SUBJECT NAME	VLSI SIGNAL PROCESSING	SUBJECT CODE	ECH505B
BRANCH	M.Tech ECE	SESSION	I
TIME	3 Hours	MAX. MARKS	100
PROGRAM	M.Tech	CREDITS	3
NAME OF FACULTY	Bhanu Pratap Chaudhary	NAME OF COURSE COORDINATOR	Bhanu Pratap Chaudhayy

Q.NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM' S LEVEL	PI
1	Define Following terms in reference to VLSI Signal Processing. I. Iteration II. Iteration Period III. Loop Bound IV. Critical Loop V. Cutset VI. Critical Path VII. Feed Forward Cutset	20	CO1	BT2	1.1.1, 1.2.1, 1.3.1, 1.4.1, 3.1.1
2	The given DFG is (2) (2) (3) (3) (4) (1) Computing of iteration bound by Longest Path Matrix (LPM).	10	C01	BT4	1.1.1, 1.3.1, 3.1.1
3	What is the need for systolic architecture design? Discuss systolic architecture design in detail.	10	CO2	BT3	1.1.1, 1.3.1,

	What is folding? What are its applications in VLSI Signal Processing? Implement the DSP				
4	program y(n) = a(n) + b(n) + c(n) with minimum number of Adders.	10	CO2	BT4	1.1.1, 1.2.1, 1.3.1
5	Discuss Cook-Toom Algorithm for fast convolution.	10	CO3	BT3	1.1.1, 1.3.1, 1.4.1
6	(A) What are the different Power Reduction Techniques available? Discuss in brief.(B) What are the essential architectural features of DSP Processors?	20	CO3	BT3	1.1.1, 1.3.1, 1.4.1
7	 (A) Write a brief note on DSP Algorithms & its applications. (B) Compare Pipelining & Parallel Processing for VLSI Signal Processing. 	20	CO4	BT3	1.1.1, 1.3.1, 1.4.1
	************** END **:	*****	*****		





DEPARTMENT OF ECE

"T3 Examination, December-2022"

SEMESTER	III .	DATE OF EXAM	17.12.2022
SUBJECT NAME	DIGITAL ELECTRONICS/ DIGITAL ELECTRONICS & CIRCUITS	SUBJECT CODE	ECHZ08B-T ECHZ13B-T
BRANCH	ECE	SESSION	1ST
TIME	09.00AM-12.00NOON	MAX. MARKS	100
PROGRAM	ECE	CREDITS	4
NAME OF INDUSTRY	TRUECHIP	NAME OF FACULTY COORDINATOR	BHANU PRATAP CHAUDHARY

Note: All questions are compulsory

Q.	NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	Pl
	1(A)	Digital systems have A. One state B. Two states C. Three states	2	C01	BT2	1.2.1,1. 4.1,2.1. 1.3.1.1
	I(B)	D. Four states What is the group of Is in 4 cells of a K – map called? a) Pair b) Quad c) Octet d) Octave	2.	CO1	BT2	1.2.1,1. 4.1,2.1. 1.3.1.1
	1(C)	The result "X + XY = X" follows which of these laws? a) Consensus law b) Distributive law c) Duality law d) Absorption law	2	CO1	BT2	1.2.1,1. 4.1,2.1. 1.3.1.1
PART-A	1(D)	Which of the following options correctly represents the consensus law of Digital Circuits? a) AB + A'C' + BC = AB + AC b) AB + A'C + BC = AB + AC c) A'B + A'C + BC = AB + AC d) AB + AC + BC = AB + AC	2	CO1	BT2	1.2.1.1. 4.1,2.1. 1.3,1.1

r.					- 1	
= = 1		1/4 as a binary number would be	. 2		8 28	1.2.1,1.
		A. 0.01		CO1	BT2	4.1,2.1.
	1(E)	B. 0.11			1012	1.3.1.1
		C. 0.10		- b W		1.2.1.1
		D. 0.00				
		The duty cycle of a square wave is	2			1
	1	A. 10%				1.2.1,1.
	1.00			. CO1	BT2	4.1,2.1.
4	1(F)	B. 25%		i	- 1	1.3.1.1
	WE STATE	C. 50%				
		D. 100%				-
-10-0		If a HIGH logic level is assigned a binary	2		8 9	
i v		zero (0), and a low level is assigned a binary			1 1	
-4-		one (1), the logic is called			8	
-	1(G)	A. negative logic	1	001	, pme	1.2.1,1.
	1(0)	B. positive logic	3745	CO1	BT2	4.1,2.1.
						1.3.1.1
						× × .
		D. assertion-level logic			2.5	
		is the highest-value seven-bit	2			100 T
		binary number.			E 10 x	1.2.1,1.
	1(H)	A. 128		CO1	BT2	4.1,2.1.
	1(11)	B. 127			Bit	1.3.1.1
		C: 126		-	6	3.55.31.3
		D. 125				
		Convert the fractional decimal number 6.75	2.		70.0	
	F1.5	to binary.	2 .		1	
					1	1.2.1,1.
	1(I)			CO1	BT2	4.1,2.1.
		B. 0110.1010	1		2 20	1.3.1.1
		C. 0110.1100				8
-		D. 0110.0110				
		Give the decimal value of binary 10000110.	2			1.2.1,1.
		A. 13410		CO1	BT2	4.1,2.1.
	1(J)	B. 14410		COI	1712	1.3.1.1
		C. 11010				1.5.1.1
D. H.		D. 12610				a .
			5	CO2 -		1.914
Phil	Q2(A)	In 16-bit 2's complement representation, the	3	CO2	pura	1.2.1,1.
PATE	(2)	decimal number -28		8.0	BT3	4.1,2.1.
WY .		The state of the s	r	an was walkered		1.3.1.1
1. 1.	02(0)	Let the representation of a number in base 3	5		in in the last	
(0)	Q2(B)	be 210. What is the hexadecimal		CO2	BL3	4.1,2.1.
	1 y 2 2 2 2	representation of the number?				1.3.1.1
סי		Minimum SOP for $f(w,x,y,z)=m(1,3,6,9,11)$	5.	2	≪.	1.2.1,1.
-		+d(4,10,12)is		CO2	BT4	4.1,2.1.
	Q2(C)	that d denotes a don't care term.				1.3.1.1
PART-B		For the figure given, the output will be	5			
W			~		T 30	E 102
						. = T.
						100
	Q2(D)	s —— s			2 9 9	*
					e =	1.2.1,1.
	111271			CO2	BT4	4.1,2.1.
FEET,	- Variable	c			. ** * 1	1.3.1.1
	III SAN YAN					1

	Q2(E)	Consider Z = X - Y, where X, Y and Z are all in sign-magnitude form. X and Y are each represented in n bits. To avoid overflow, the representation of Z would require a minimum of:	5	CO3	BT4	1.2.1,1. 4.1,2.1. 1
	Q2(F)	The base (or radix) of the number system such that the following equation holds is 312/20=13.1	5	CO3	BT4	1.2.1,1. 4.1,3,1,
			10	10		
	Q3	What is the minimal form of the $F(a,b,c,d)=m(0,2,5,8)+d(1,3,4,10)$		CO3	BT4	1. 4.1,2.1 1,3,1,1
		A digital circuit which compares two numbers A3A2A1A0, B3B2B1B0 is shown in figure. To get output Y = 0, choose one pair of correct input numbers	10	CO3	BT4	9.E
		B3 A3 B2 A2 B1 A1 80 A0		2	a <u>1</u>	1 1 n
	Q4		2 = 2	E	9 55 TH 20 70 20 70	1.2.1,1. 4.1,2.1. 1,3,1,1
PART-C	Q5	What is the minimum number of 2-input NOR gates required to implement a 4-variable function function expressed in sum-of-minterms form as $f = \Sigma(0, 2, 5, 7, 8, 10, 13, 15)$? Assume that all the inputs and their complements are available Consider the minterm list form of a Boolean	10	CO4	BT3	1.2.1,1. 4.1,2.1. 1,3,1,1
	Q6	function F given below. $F(P,Q,R,S)=\sum m(0,2,5,7,9,11)+d(3,8,10,12,14)$. Here, m denotes a minterm and d denotes a don't care term. The number of essential prime implicants of the function F is		CO4	BT2	1.2.I, 2.2.2,2.
	Q7	Consider the equation (123)5 (x8)y with x and y as unknown. The number of possible solutions is	10	CO4	BT3	3.1, 1.2.1,1. 4.1,2.1. 1,3,1,1



DEPARTMENT OF ECE

"T3 Examination, December-2022"

SEMESTER	III	DATE OF EXAM	15-12-2022
SUBJECT NAME	NETWORK THEORY	SUBJECT CODE	ECH202B-T
BRANCH	ECE	SESSION	1 ST
TIME	09.00AM-12.00NOON	MAX. MARKS	100
PROGRAM	ECE	CREDITS	4
NAME OF FACULTY	BHANU PRATAP CHAUDHARY	NAME OF COURSE COORDINATOR	BHANU PRATAP CHAUDHARY

Note: All questions are compulsory

Q.NO.		QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	PI
	1(A)	Derive T parameter in term of h parameter.	10	CO1	BT2	1.2.1,1. 4.1,2.1. 1.3.1.1
PART-A	Q1(B)	Find the Thevenin equivalent at terminal a-b for the circuit shown in Fig. 1 $\frac{6\Omega}{100/20^{\circ}} \text{ V} = -j4\Omega \qquad \text{Fig.1}$	10	CO1	BT3	1.2.1,1. 4.1,2.1. 1.3.1.1
PART-B	Q2(A)	A series RL circuit with R=50 Ω and L=10 H has a constant voltage of 10 V applied at t=0 sec. Determine the value of current i and voltage across inductor.	10	CO2	BT2	1.2.1,1. 4.1,2.1. 1
Т-В	Q2(B)	The switch in Fig. 2 is closed at t=0. Find i(t) and v(t) for all time.	10	CO2	ВТЗ	1.2.1,1. 4.1,2.1. 1,3,1,1

		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
P	Q3	Design a composite low-pass T-section filter having a design impedance of 600 ohm, a cut-off frequency of 2000 Hz, and a frequency of infinite attenuation of 2100 Hz.	10	CO2	BT4	1.2.1,1. 4.1,2.1. 1.3.1.1
PART-C	Q4	Design an m-derived high-pass filter having a design impedance of 500 V and a cut-off frequency of 1 kHz. Take m=0.2.	10	CO3	BT4	1.2.1,1. 4.1,2.1. 1,3,1,1
	Q5	Design a m-derived low-pass filter having cut-off frequency of 1 kHz, design impedance of 400 ohm, and the resonant frequency of 1100 Hz.	10	CO3	BT4	1.2.1,1. 4.1,2.1. 1,3,1,1
	Q6	Find the two Cauer realizations of driving- point function given by $Z(s) = \frac{10 s^4 + 12s^2 + 1}{2s^3 + 2s}$	10	CO4	ВТ3	1.2.1,1. 4.1,2.1. 1,3,1,1
PART-D	Q7	Find the first and second Foster forms of the function $Z(s) = \frac{(s+1)(s+3)}{s(s+2)}$	10	CO4	BT4	1.2.1, 2.2.2,2.
	Q8	Design the second Foster form of the network whose driving-point admittance is $Y(s) = \frac{3(s+2)(s+5)}{s(s+3)}$	10	CO4	BT4	3.1, 1.2.1,1. 4.1,2.1. 1,3,1,1



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

END TERM EXAMINATION DEC-2022

FACULT	Y NAME:	FACULTY NAME: Dr. Shruti Vashist			NAME OF COURSE COORDINATOR: Dr. Shruti Vashist	SE COORDI	NATOR: Dr. S	hruti Vashis	<u>,</u>
COURSE	NAME: A	COURSE NAME: Analog Electronics	COURSE CODE: ECH203B-T	CREDIT: 4	MAX. MARKS: 100	TIME DUR	TIME DURATION: 3 hrs	DATE OF EXAM: 12.12.22	ζΑΜ:
PROGRA and Com	M: B.Tec municat	ch Electronics and Com	PROGRAM: B.Tech Electronics and Communication /B.Tech Electronics and Communication with specialization in VLSI and Design Verification	SEMESTER: 3rd	rd			Month	Co Puch
Q. ¹	0.NO.	QUESTIONS				MARKS	CO ADDRESSED	BLOOM'S LEVEL	PI
	1(A)	Interpret the need of which are to be fulfill	Interpret the need of biasing in Transistors and what are the basic conditions which are to be fulfilled for achieving faithful amplification	re the basic co ation	onditions	2	C01	1.2	2.1
	1(B)	Draw the hybrid equi expressions for all the	Draw the hybrid equivalent model for common base transistor and write the expressions for all the four parameters for the same.	ansistor and	write the	2	C01	F3	2.3
fart.		Deduce the gain for an invertin	ı inverting closed loop amplifier		£				
Œ		In Power output Pout(a.c)=0.5W and Pin(dc)=2W	'in(dc)=2W						,
	1(C)	i.Convert 10db to normal power ii.Convert 10db to normal voltage ratio	mal power mal voltage ratio			7	C04	L2	3.2
		For a RC Phase shift network, Given R1=F Calculate the frequency of Oscillations (3 Differentiate between Voltage and Power Give the expressions to compute the con T flip flop with a synchronous clear input	For a RC Phase shift network, Given R1=R2=R3=R=500K;C1=C2=C3=C=10-10 pF; Calculate the frequency of Oscillations(3 Differentiate between Voltage and Power Amplifiers Give the expressions to compute the controllability and observability values for a T flip flop with a synchronous clear input.	K;C1=C2=C3=	=C=10-10 pF; ity values for a				

-	1(D)	Define CMRR and Slew Rate in case of Op=Amp .	2	C04	1.2	3.2
.	1(E)	State Barkhausen Criterion for Sustained Oscillations	2	CO3	L3	5.1, 8.1
-	1(F)	Pin(dc)in case of a power amplifier is 100W, if efficiency is 35%, calculate the output power	2	CO3	F3	9.1
	1(G)	Differentiate between JFET and BJT	2	C02	1.1	5.4
	1(H)	In Power output ;Pout(a.c)=0.5W and Pin(dc)=2W	2	500	<u> </u>	7.2
- 2		i.Convert 10db to normal power ii.Convert 10db to normal voltage ratio	ı)		1
	1(1)	For a RC Phase shift network, Given R1=R2=R3=R=500K;C1=C2=C3=C=10-10 pF; Calculate the frequency of Oscillations	2	003	L3	6.2
	10)	Vin Vive 20 + Vo	2	c 400	L3	5.1
		For the inverting comparator shown in the figure;sketch the output waveform				
P A R B	Q2(A)	Explain the working of E-MOSFET and DE-MOSFET along with the drain and transfer characteristics curve	10	CO2	ГЗ	5.1, 8.2
<u> </u>	2(B)	For the NMOS MOSFET, given VT=1.5V, K=0.5mA/V2, VG=4V. Assume that the transistor is in saturation region, Calculate ID and VDS	10	200	. L4	9.1, 10,1

۵	Q3(A)	Q3(A) Classify various types of power amplifiers. Express the position of Q in each case and deduce the efficiency of Class B Pushpull power Amplifier	15	003	1.4	10.2, 8.1,
A W I	3(B)	A power transistor operating in Class has input d.c. power of 8W and a.c.output power of 2W.Calculate the collector efficiency	5	CO3	L2	9.2
- · ·	Q4(A)	Describe the working of RC Phase shift Oscillator and analyze the need of three RC networks. Calculate the frequency of Oscillations	15	503'603	L4	8.3
	4(B)	The tuned collector oscillator circuit used in the local oscillator of a radio receiver makes use of an LC tuned circuit with L = $58.6~\mu H$ and C = $300~pF$. Calculate the frequency of oscillations.	2	CO3	L4	7.2. 6.1
P A B	Q5(A)	Summarize the ideal characteristics of an operational Amplifier and discuss the working of an operational Amplifier as a integrator and Differentiator. Derive an expression for its output voltage.	15	CO4	L3	3.2
# L	Q5(B)	Q5(B) Analyse the working of Schmitt Trigger and explain the concept of Hyterisis curve	2	CO4,CO5	L3	2.1
Mercel Mercel		**************************************	*			



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

END TERM EXAMINATION DEC-2022

SEMESTER:III

SUBJECT NAME:MIS

BRANCH:BBA(EFB/FAA/HCM/OM/BA)

TIME DURATION: 3Hrs

PROGRAM: BBA

DATE OF EXAM:19/12/2022

SUBJECT CODE:ECH212B

SESSION: I

MAX. MARKS: 80

NAME OF FACULTY: Dr. Vani Chawla

QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	PI
Differentiate between data and information with examples.Write the characterstics and function of good information.	4	CO1	BT1,BT2	
Explain Herbert Simon Model on decision making with figures	6	CO1	BT1,BT2	
Define the term MIS. Discuss the three levels of management. Explain the objective and characteristics of MIS in detail.	10	CO1	BT1,BT2	
What is an Information System ? Explain various TPS -Transaction processing system and Expert system	4	CO2	BT3,BT4	
Define SAD. What is the need of system analysis and design in an organisation?	6	CO2	BT3,BT4	
Explain the phases of SDLC-system development life cycle in detail.	10	CO2	BT3,BT4	
Differentiate between (i)rational models and normative models in decision making (ii) static and dynamic model	4	CO3	BT1,BT3	
What should be the ideal characterstics and capabilities of Decision support system? Explain strategic decisions, tactical decision, operational decisions	6	C03	BT1,BT3	
Define EMS. What are the roles and benefits of ERP in Supply Chain Management?	10	CO3	BT1,BT3	
What are the keys and its types in DBMS?Explain in detail	5	C04	BT1,BT2,BT3	
Explain Entity relationship (ER) modeling in detail	5	CO4	BT1,BT2,BT4	
What are the differences between DBMS and RDBMS? Explain internal view, conceptual view and external view in Database management system with neat figure	10	CO4	BT1,BT2,BT3	
	Differentiate between data and information with examples.Write the characterstics and function of good information. Explain Herbert Simon Model on decision making with figures Define the term MIS. Discuss the three levels of management. Explain the objective and characteristics of MIS in detail. What is an Information System? Explain various TPS -Transaction processing system and Expert system Define SAD. What is the need of system analysis and design in an organisation? Explain the phases of SDLC-system development life cycle in detail. Differentiate between (i)rational models and normative models in decision making (ii) static and dynamic model What should be the ideal characterstics and capabilities of Decision support system? Explain strategic decisions, tactical decision, operational decisions Define EMS. What are the roles and benefits of ERP in Supply Chain Management? What are the keys and its types in DBMS?Explain in detail Explain Entity relationship (ER) modeling in detail What are the differences between DBMS and RDBMS? Explain internal view, conceptual view and external view in Database	Differentiate between data and information with examples.Write the characterstics and function of good information. Explain Herbert Simon Model on decision making with figures 6 Define the term MIS. Discuss the three levels of management. Explain the objective and characteristics of MIS in detail. What is an Information System? Explain various TPS -Transaction processing system and Expert system Define SAD. What is the need of system analysis and design in an organisation? Explain the phases of SDLC-system development life cycle in detail. Differentiate between (i)rational models and normative models in decision making (ii) static and dynamic model What should be the ideal characterstics and capabilities of Decision support system? Explain strategic decisions, tactical decision, operational decisions Define EMS. What are the roles and benefits of ERP in Supply Chain Management? What are the keys and its types in DBMS?Explain in detail 5 Explain Entity relationship (ER) modeling in detail 5 What are the differences between DBMS and RDBMS? Explain internal view, conceptual view and external view in Database	Differentiate between data and information with examples.Write the characterstics and function of good information. Explain Herbert Simon Model on decision making with figures 6 C01 Define the term MIS. Discuss the three levels of management. Explain the objective and characteristics of MIS in detail. What is an Information System? Explain various TPS -Transaction processing system and Expert system Define SAD. What is the need of system analysis and design in an organisation? Explain the phases of SDLC-system development life cycle in detail. Differentiate between (i)rational models and normative models in decision making (ii) static and dynamic model What should be the ideal characterstics and capabilities of Decision support system? Explain strategic decisions, tactical decision, operational decisions Define EMS. What are the roles and benefits of ERP in Supply Chain Management? What are the keys and its types in DBMS? Explain in detail 5 C04 Explain Entity relationship (ER) modeling in detail 5 C04 What are the differences between DBMS and RDBMS? Explain internal view, conceptual view and external view in Database	Differentiate between data and information with examples.Write the characteristics and function of good information. Explain Herbert Simon Model on decision making with figures Define the term MIS. Discuss the three levels of management. Explain the objective and characteristics of MIS in detail. What is an Information System? Explain various TPS -Transaction processing system and Expert system Define SAD. What is the need of system analysis and design in an organisation? Explain the phases of SDLC-system development life cycle in detail. Differentiate between (i)rational models and normative models in decision making (ii) static and dynamic model What should be the ideal characteristics and capabilities of Decision support system? Explain strategic decisions, tactical decision, operational decisions Define EMS. What are the roles and benefits of ERP in Supply Chain Management? What are the keys and its types in DBMS? Explain in detail Explain internal view, conceptual view and external view in Database Marks ADDRESSED CO1 BTI,BT2 BTI,BT3 ACC01 BTI,BT2 BTI,BT3 ACC02 BTI,BT3 BTI,BT3 ADDRESSED LEVEL BTI,BT2 BTI,BT2 BTI,BT3 ACC01 BTI,BT3 ACC02 BTI,BT3 BTI,BT3 CC04 BTI,BT3,BT3 Explain Entity relationship (ER) modeling in detail DECO4 BTI,BT2,BT3 EXPLAIN EXPLAINS ADDRESSED ACC01 BTI,BT2 BTI,BT3 BTI,BT3 CC04 BTI,BT2,BT3



DEPARTMENT OF ECE

"T3 Examination, December-2022"

SEMESTER	V	DATE OF EXAM	15.12.2022
SUBJECT NAME	INTERNET OF THINGS	SUBJECT CODE	ECH305B-T
BRANCH	ECE/ME-SMA	SESSION	l II
TIME	1.5 HOURS	MAX. MARKS	50
PROGRAM	B.TECH	CREDITS	2
NAME OF FACULTY	DR.K.DEEPA	NAME OF COURSE COORDINATOR	DR.K.DEEPA

Note: All Questions Are Compulsory



Q).NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM'S LEVEL	PI
	1(A)	"things", such as sensors, devices (a) Perception (b) Connectivity (c) Processing (d) None of the above	1	CO1	BT1	1.1,1.1. 2.4
PART-A	1(B)	refers to a software component, which receives messages from one end (a) API(b) APP (c) WEB SERVICE (d) None of the above	1	CO2	BT2	1.1,1.1. 2.4
Α.	1(C)	An ATM debit card is example of	1	CO2	BT2	1.1,1.1. 2.4
	1(D)	Data analysis through tableau can be done fortype of data.	1	· CO3	BT2	1.1,1.1. 2.4
	1(E)	Anfacilitates the use of system hardware and networking capabilities	± 1	CO4	BT2	1.1,1.1.
PART-	Q2	Explain the architecture of Arduino-UNO board and list the features which make Arduino boards widely used	7	CO4	BT2	1.1,1.1. 2.4 1.1,1.1.
В	Q3	Compare COAP and MQTT Protocol	3	CO1	BT4	2.4

	Q4	Develop a conceptual design of a smart home and describe how IoT network can be developed	10	CO1	BT3	1.1,1.1.
	Q 5	Classify and explain the types of data analysis	5	С02	BT4	1.1,1.1.: 2.4
PART	Q6	Explain the computing and communicating needs of a software	 7	CO2	вт3	1.1,1.1. 2.4
C-C	Q 7	Classify data and write short notes about big data	3	CO3 .	BT4	1.1,1.1. 2.4
	Q 8	Explain in detail about connected car technology	6 -	CO4	ВТ4	1.1,1.1. 2.4
	Q8	What are the characteristics of AWS, GOOGLE AND MICROSOFT based cloud services	4	CO4	BT1	1.1,1.1. 2.4

END



			End Tu	THE RESIDENCE OF THE PARTY OF T	NUNATHER DEC-2022)				
			AND THE PARTY		NAME OF COUR	SE COOR	DINATOR: DR	NIHARIKA	THAKUR
		CULTY NAME: DR. NIHAI		1	NAME OF COOR		URATION: 3		
COL			RSE CODE: CH304B-T	CREDIT: 4	MAX. MARKS: 100		HRS	A Audi	XAM: 13.12.20
-	Pl	ROGRAM: B.TECH EC	E TOTAL CONTRACTOR OF THE PARTY		SEMESTER: 5	TH	со	BLOOM'S	SSION-I
Q.NO. QUESTIONS						MARKS	ADDRESSED	LEVEL	PT
	Q1(A)	Determine the transfer diagram	r function C	(s)/R(s) from	n the given block	5	CO1	BT3	1.3.1,1.4.1 5.2.2
P A R T -	From the given signal flow graph find the transfer function implementing Mason's Gain Formula Q1(B) Q1(B) Q1(B) Q1(B)					5	CO1	BT3	1.3.1,1.4.1 2.3.1, 5.2.
	Q2(A)	Differentiate between Open Loop and Closed Loop Control Systems with relevant examples.				5	CO1	BT2	1.3.1,1.4. 2.3.1, 5.2.
	Q2(B)	Why negative feedback is invariably preferred in closed loop system?				5	CO1	BT2	1.3.1,1.4. 2.3.1, 5.2.
P A R	Q3(A)	Plot the root locii for the given closed loop control system with				15	CO2	BT4	1.3.1,1.4. 2.3.1, 5.2
г - В	Q3(B)	Consider the equation	n and invest			5	CO2	BT4	1.3.1,1.4. 2.3.1, 5.2
P	Q4(A)	What do you understand by Compensation in Control System?				10	CO3	BT2	1.3.1,1.4. 5.2.2
R	4(B)	What is the significa Time Domain Analy	nce of Frequesis for a Cor	iency Doma itrol System	in Analysis and ?	10	CO3	BT4	1.3.1,1.4. 5.2.2
- C	Q5	Sketch the polar plot for $G(s) = \frac{20}{s(s+1)(s+2)}$				10	CO3	BT4	1.3.1,1.4. 5.2.2
	Q6(A)	What is the applicati working with graph.	t is the application of PID Controller? Also Explain its king with graph.				CO4	BT5	1.3.1,1.4. 5.2.2
P A R T	6(B)	What are the importa	ant elements	of an Indus	trial Automatic	10	CO4	BTI	1.3.1,1.4. 5.2.2
D	Q7	How do you calcular observability and Co	e the State T	Transition M	latrix and test the	10	CO4	BT4	1.3.1,1.4. 5.2.2



		DEPARTMEN	T OFElect	ronics and co	mmunic	ation	ACTU BE	
		OD	D SEMESTE	R (JUL-DEC-20	022)			ALIAN SANSA
			END TERM	EXAMINATION	DEC-2	-22		
		: Dr. Yogita Gupta		NAME OF COURSE			ita	
	SE NAME:	The state of the s	CREDIT:3	MAX. MARKS:100	TIME DUR	ATION: 3 hu	DATE OF E	AMOS SIEDOS
RUGI	RAM: ECU	0/2	SEMESTER:	5th B.TEC	H - ECE	7	1	N. V
Q.NO.		QUEST			MARKS	CO ADDRESSED	BLOOM	PI
P	1(A)	Compare the characteristics of SIM		2	C01	BT2	1.3.1,2.3.	
A R	1(B)	What is memory hierarchy? Why d	2	CO1	BT2	.1.1 1.3.1,2.3. .1.1		
T	1(C)	Give the difference between RISC a	nd CISC.		2	CO1, CO2	ВТ2	1.3.1,2.3.
- A	1(D)	A	Define Latency and throughput. What are the advantages of multiple bus organization over a single					1.3.1,2.3.1
P	1(E)	bus organization? What is the need for DMA transfer?	e 2	CO1, CO2	ВТЗ	1.3.1,2.3.1		
A	2(B)	over CPU when both request memo. With the help of a block schematic e		7	CO3, CO4	BT2	1.3.1,2.3.1	
R T		uints of a		7	CO3, CO4	BT2	1.3.1,2.3.1	
	2(C)	Explain the synchronous and asynch			7	CO3, CO4	BT2	.1.3 1.3.1,2.3.1 .1.4
В	2(D)	How floating point numbers are rep List and explain three types of system		omputer system.	7	CO1, CO3	BT3	1.3.1,2.3.1,
P A	3(A)				7	CO3, CO4	ВТ3	1.3.1,2.3.1, .1.6
R T	3(B)	How to construct an ALU, which perform to construct an ALU, which perform to construct the construction of			10	CO3, CO4	ВТ2	1.3.1,2.3.1, .1.7
- C	3(C) 3(D)	Differentiate polling and interrupt so			7	CO1, CO2	BT2	1.3.1,2.3.1,:
P		Write notes on associative mapping f			7	CO3, CO4	BT2	1.3.1,2.3.1,3 .1.9
A R T D		memory. Discuss different performance measu			7	CO1, CO2	втз	1.3.1,1.4.1, 2.3.1,3.1.1
	100 March 100 Ma				10	CO1, CO2	D13	1.3.1,2.3.1,3 .1.1
	4(D)	Differentiate the two types of byte ad Explain horizontal and vertical organ	dress assignn ization of a m	ient methods?	7	CO1, CO2	DIZ	.3.1,2.3.1,3 .1.1
		programmed control			7	CO1, CO2	BT2	.3.1,2.3.1,3 .1.1



DEPARTMENT OF Electronics and Communication Engineering"T3 Examination, December-2022"

SEMESTER	SEMESTER V		17.12.2022		
SUBJECT NAME	Digital Communication	SUBJECT CODE	ЕСН328В-Т		
BRANCH	ECE / ECE-VLSI	SESSION	1		
TIME	09.00AM-12.00 NOON	MAX. MARKS	100		
PROGRAM	B.Tech	CREDITS	4		
NAME OF FACULTY	Lokesh Bhardwaj	NAME OF COURSE COORDINATOR	Lokesh Bhardwaj		

Note: All questions are compulsory.

	.NO.	QUESTIONS	MARK S	CO ADDRESS ED	BLOOM'S LEVEL	PI
	1(A)	What is the nature of waveforms at each step of Source encoder?	2	CO1	BT1	1.2.1,1. 4.1,2.1.
	1(B)	A bag contains 17 balls. Determine the required bits for each ball is every ball is considered to be an analogy for a discrete symbol.	2	CO4	BT2	1.2.1, 2.2.2,2.
	1(C)	Quantization results in a discrete symbol. Discuss the significance of quantization noise.	2	CO1 ·	BT3	1.2.1,1. 4.1,2.1.
PART-A	1(D)	What is the impact of increase in the constellation size on peak to average power ratio?	2	CO2	BT1	1.3.1.1
	1(E)	Discuss the usage of advanced prediction in DPCM.	2 .	CO1	втз.	1.2.1,1.
	1(F)	What is the relation between the probability of bit error and probability of symbol error in M-ary orthogonal signaling?	2	CO2	BT2	1.3.1.1, 2.2.2.1
	1(G)	Explain the basic difference between QPSK and QAM.	2	C03	BT3	1.2.1, 1.3.1.1
	1(H)	Briefly explain, the purpose of pulse shape in digital modulation schemes?	2	CO4	BT2	1.3.1.1
	1(l)	What is the product of bandwidth and the symbol time in FSK signaling?	2	CO4	BT1	1.3.1.1

		What is the difference between correlation	1 h		BE	l" - 1 sta
	1(J)	based and matched filter based receivers?	10			
			2	CO3	BT1. BT2	1.3.1.1
		Explain the differential pulse code				e* .a
		modulation in detail with suitable block				
		diagram? How the prediction for the next			7.	4.1,2.1.,
7	Q2(A)	sample is decided in DPCM?	5	CO1	BT3	1.3.1.1
PART-B		The bandwidth of combined TV signal				* 3
23		(audio+ video) is 4.5 MHz. If the signal is				3 3
<u></u>		converted to a pulse coded modulated signal			** =	
w		with 1024 quantization levels. Determine the			0	= 1
		bit rate of resulting signal assuming the signal		1		1.2.1,
		is sampled at a rate 20% above the Nyquist	-			2.2.2,2
	2(B)	rate.	5	CO1	BT3. BT4	3.1.1
		Let Π be the plane spanned by vectors $x1 =$		š.		1.2.1,
		$(1, 2, 2)$ and $x^2 = (-1, 0, 2)$. (i) Find an				2.2.2,2.
	Q3(A)	orthonormal basis for Π.	5	CO2 -	BT3	3.1.1
		D: (1 1111) C C CANA				1.2.1,
	0.000	Derive the probability of error for QAM		000	2207.4	2.2.2
PART-C	3(B)	signal.	5	CO2 ·	BT4	
		What are optimal detectors and state the				
12		differences between the receivers and				3 - 3
1		detectors. Derive an expression for the output				
C		signal if Maximum aposteriori (MAP)			4, 4	
	04(4)	detector and Maximum Likelihood (ML)	15	602	TOTO 4	4.1,2.1,
	Q4(A)	detector are used.	15	CO3	BT4	1.3.1.1
		What are ideal and non-ideal channels?				
	4(0)	Explain in detail the impact of AWGN noise	4 5	000	יייים אייים	3.1.1,
	4(B)	in the digital communication system.	15	CO3	BT1, BT2	1.2.2:1
	The state of the s	Find an expression for the minimum number of bits required in case of N tuples formed from 5			2 281	
		symbols of discrete sources. Discuss in detail,				ارزائع کی ۲
P		the impact of number of bits required in case of	E 101 (68	+ a □ + Homoro		1.2.1,
A		employing variable length encoding in same	4	¥8		2:2.2,
2	Q5(A)	case.	15	CO4	BT3, BT4	3.1.1.1
ART-D		What is the significance of unique decodability	mm************************************	A		
0		in source encoding? Generate a look up symbol				6
		table for a 3-bit encoded symbol at the receiver			8 .	1.3.1.1,
	5(B)	end.	15	CO4	BT4	2.2.2.1

END



"End Term Examination, Dec-2022"

SEMESTER	V	DATE OF EXAM	19/12/2022
SUBJECT NAME	MICROPROCESSORS & MICROCONTROLLERS	SUBJECT CODE	ECH301B-T
BRANCH	B.Tech ECE/ECE-VLSI	SESSION	1
TIME	3 Hours	MAX. MARKS	100
PROGRAM	B.Tech.	CREDITS	4
NAME OF FACULTY	Vijay Kumar Gill	NAME OF COURSE COORDINATOR	Vijay Kumar Gill

Note: All questions are compulsory.

Q).NO.	QUESTIONS	MARKS	CO ADDRESSED	BLOOM'	PI
	1(A)	Develop an algorithm and write Assembly Language Program to arrange an array of data in descending order.	10	CO1, CO2	BT4	1.1.1, 1.3.1
	1(B)	Explain the addressing modes of 8085. Give atleast two examples of each addressing modes.	10	CO1, CO2	BT2	1.1.1, 1.3.1
PART-A	2(A)	Connect the following memory ICs with 8085 microprocessor (i) 4K*8 ROM (ii) 8K*8 RAM Start the address from 3000H.	. 10	CO1, CO2	BT4	1.1.1, 1.3.1
Α	2(B)	Draw the timing diagram of 'MVI A, 23H'.	10	CO1, CO2	вт2	1.1.1, 1.3.1
	3(A)	Draw a neat block diagram of 8086 microprocessor and explain the function of each block.	10	CO3	BT2	1.1.1, 1.3.1
	3(B)	Discuss the Maximum mode of Configuration in 8086 Microprocessor with suitable diagram.	10	CO3 .	BT1	1.1.1, 1.3.1

4(A)	Develop an algorithm and write ALP using 8086 instructions to reverse a four-digit number.	10	C03	BT3	1.1.1, 1.3.1
4(B)	Sketch the architecture of 8051 microcontroller and discuss the same in detail	10	CO4	BT1	1.1.1, 1.3.1
5(A)	Assuming that XTAL = 22 MHz, Write a program to generate a square wave of 5 milliseconds pulse width on pin P1.2.	10	CO4 .	BT3	1.1.1, 1.3.1
5(B)	Explain the following instructions giving proper format and example of each? i) PUSH & POP ii) DJNZ iii) JNB iv) SETB v) CALL & RET	10	CO4	BT2	1.1.1, 1.3.1

END





DEPARTMENT OF Electronics & Communication

	4-3(a)-4)	become a	ODD SEMES		December-202		ERICE OF		Milli
INSERTAL				TION PAPE	R STRUCTURE (Q	461335.00			
COURS							NATOR: Dr. Me	DATE OF EXAM:	
PROGR	KAM: B. Te	CH ECE		SEMESTER:	7th 52831	en- D			
Q	.NO.		QUESTIONS			MARKS	CO ADDRESSED	BLOOM'S LEVEL	PI
	1(A)	Chata tha taua ha	-:- d::::			2	501	12	2.1
	1(B)	What are the two	sic differences between com o basic steps in Test General		C01	L2	2.1		
P	1(C)	method? Give the express	sions to compute the control	llability and ob	servability values	2	C02	L3	2.3
A	1(D)	for a T flip flop w	vith a synchronous clear inp				CO2	L1	3.2
R	No. of the last of	What do you me	an by BIST? Ttwo algorithms that is used	l for pattern ge	neration in		C01	L3	3.2 5.1,
T	1(E)	Embedded RAM	S.				CO1	L1	3.1
	1(F)	State the need fo	r Ad-hoc design in testing a	digital circuit			CO1	L2	9.1
A	1(G)	What do you mean by Pseudo Exhaustive test?					CO2	L1	5.4
	1(H) 1(I)	Draw the functional diagram of the TAP.					C01	L2	7.2
41.5	1(1)		nponents in fault diagnosis? an by dynamic diagnosis?				CO2	L3	5.1
P A R	Q2(A)	driven true valu	n the event driven simulatio e simulator will take when i nal fault modeling, determin ne multiplexer er	t evaluates a ze	ro-delay gate.	10	CO2	L3	5.1, 8.2
Т • В	2(B)	(i)Find a two-pat (ii)Rearrange the constructed from For each stuck- a open, stuck-shor	OS NAND circuit: tern test for each single tran e eight vectors in a compact in the single stuck-at faults te t fault of the NAND gate, fin- t and combination) fault.	set, and show t ests for the NAN d an equivalent	hat this set can be ID gate. transistor (stuck-	10	CO1	L4	9.1, 10,1
	Q3(A)	Explain in detail a to scan paths in s	about LSSD with example ar ensitive latches.	id justify how i	t is specifically used	5	CO3	L4	8.1, 7.2
P A	3(B)	Explain in detail l	about various DFT approach	a pseudo rand	om pattern	5	CO3	L2	9.2
R T	Q4(A)		5 patterns are produced by alt, say e stuck at 0, what is t				CO4	L4	8.3
•	4(B)		liagram explain BIST archite			5	CO3	L4	6.1
С	Q5(A)	combinational cir				5	CO4	L4	5.3
	5(B)	Discuss in detail l diagnosis a fault.	now self-checking method is	adopted to tes	st a circuit to	5	CO4	L2	4.1
P	Q6(A)	Explain with circu techniques to imp	uit diagram, how double late prove testability.	ch and single la	tch LSSD	10	CO3	L2	3.2
A	6(B)		between testing and verific	ation.	****			L2	2.1
R	Q7(A)		e of VLSI testing and discus					L3	4.2
T	7(B)	Explain transistor	r faults in detail.			10	CO4	L4	5.2





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

END TERM EXAMINATION DEC-2022

SEMESTER:VII

DATE OF EXAM:12/12/2022

SUBJECT NAME: WIRELESS SENSOR NETWORKS

SUBJECT CODE:ECH403B-T

BRANCH:B.TECH CSE/DSML/DTE

SESSION: I

TIME DURATION: 3Hrs

MAX. MARKS: 100

PROGRAM: B.TECH

NAME OF COURSE COORDINAT DR. SHRUTI VASHIST

NAME OF FACULTY: Dr.Vani Chawla

Q.1	NO.	QUESTIONS	MARKS CO ADDRESSE D		BLOOM'S LEVEL	PI
РТ	Q1(A)	List and explain the applications of WSN.	4	CO1	BT1,BT2	
A - R A	Q1(B)	Discuss the working of Layered and Clustered Architecture in WSN with neat figures	6	CO1	BT1,BT2	
P A	Q2(A)	Discuss the structure of single node architecture. Explain each element in detail.	5	CO2	BT3,BT4	
R T	Q2(B)	Define Gateway concepts in WSN with neat figures.Explain how it is different from tunnelling?	5	CO2	BT3,BT4	
- В	Q2(C)	What are the basic principles used for designing network protocols for WSN.Explain any four in detail.		CO2	BT3,BT4	
	Q3(A)	What are the various challenges for Time Synchronisation ?	5	CO3	BT1,BT3	
P A	Q3(B)	Explain Flooding Time Synchronisation Protocol.	5	C03	BT1,BT3	
R T	Q3(C)	What is the difference between Local and Global Power Management Strategies? Explain any three Local Power Managements aspects in detail.	10	CO3	BT1,BT3	
С	Q3(D)	What do you understand by Dynamic Power Management? Explain Dynamic Operation Modes, Dynamic Scaling and Task Scheduling.	15	CO3	BT1,BT3	
P A	Q4(A)	What are the major issues that effect the design, deployment and performance of an Adhoc networks? Explain any four in detail.	10	CO4	BT1,BT2,BT4	
R T	Q4(B)	What are the issues in designing a Routing protocol for Adhoc wireless networks.Explain any four.	10	CO4	BT1,BT2,BT4	
D	11/4+(L)	Explain the concept and working of (a) DSDV (b)AODV in detail with neat figures.	15	CO4	BT1,BT2,BT4	

END



DEPARTMENT OF ELECTRONICS & COMMUNICATION

"End Semester Examination, December-2022"

SEMESTER	5	DATE OF EXAM	09/12/2022
SUBJECT NAME	DIGITAL ELECTRONICS & MICROCONTROLLERS	SUBJECT CODE	ЕСН308В-Т
BRANCH	B.Tech CSE- PSC	SESSION	1
TIME	3 Hours	MAX. MARKS	100
PROGRAM	B.Tech.	CREDITS	
NAME OF FACULTY	Dr. Nitika, Mr. Bhanu Pratap Choudhary	NAME OF COURSE COORDINATOR	Dr. Nitika

Note: All questions are compulsory.

Q.NO.		QUESTIONS	MARKS	CO ADDRESSED	BLOOM'	PI
	1(A)	Convert $(9B2.1A)_H$ to its decimal equivalent.	2	CO1, CO2	BT3	i.1.1, 1.3.1
P	1(B)		2	CO1, CO2	ВТЗ.	1.1.1, 1.3.1
PART-A		Minimize the Boolean expression using K-map for SOP function.			W. W.	
r-A	1(C)	$F(A,B,C,D,E) = \sum m(0,1,9,15,24,29,30) + d(8,11,31)$	6	CO1, CO2	BT3	1.1.1, 1.3.1
	1(D)	Design XOR gate using NAND gate only	4	CO1, CO2	BT4	1.1.1, 1.3.1
	1(E)	Reduce the following expressions using Demorgan's theorem:	2	CO1, CO2	BT3	1.1.1, 1.3.1

		A+B[AC+(B+)D]				
	1(F)	Express 247.6 into 8421 BCD and Excess-3 codes. Express -73.75 in 12 bit 2's complement form	4:	CO1, CO2	BT3	1.1 1.3
7 1 1 1 7		Express -73.73 fil 12 bit 2 3 complement for th	* E	601, 602	. 013	1.1
	2(A)	Design a 3 bit Binary to Gray Code Converter.	5	CO1, CO2	ВТЗ	1.3
D		2 d 4 a a				
PART-B	2(B)	Convert a JK Flip Flop to SR Flip Flop using characteristic and excitation table.	5	C03	ВТЗ	1.1
B	2(0)	Design and explain 3 bit R-2 R ladder type Digital to Analog Convertor and calculate the output voltage for a 6 bit ladder DAC if a digital input of 101001 is	10			1.1
	2(C) Q3	applied. ($V_{MAX} = 10 \ Volts$) Design and Explain the working of a 3- Bit	10	C03	BT4	1.3
juspen)	(A)	Bidirectional Register using the JK Flip Flop	10	соз	BT4	1.1
PART-C	Q3 (B)	Design MOD 7 synchronous counter using JK Flip Flop and implement it. Also construct a timing diagram.	. 10	CO3	BT4	1.1 1.3
C	Q4	Design and explain the working of 4 Bit Ripple UP counter with the help of waveform diagram	10	C03	ВТ3	1.1 1.3
	Q5 (A)	Describe the architecture of 8051 microcontroller with the help of neat diagram.	5	CO4	ВТ2	1.1
		Explain the following instructions giving proper format and example of each		1 .		
ת-דמאמ		i) DA ii) SWAP				
ב ^י	Q5 (B)	iii) DJNZ iv) JNB v) SETB	10	CO4	BT2	1.1 1.3
	Q5 (C)	Define and explain the addressing modes of 8051 microcontroller.	5	CO4	BT2	1.1



DEPARTMENT OF ECE

"End-Semester Examination, DEC.-2022"

SEMESTER	5th	DATE OF EXAM	9 th December 2022
SUBJECT NAME	Digital Electronics & Microcontrollers	SUBJECT CODE	ЕСН308В-Т
BRANCH	CSE/AIML/CSTI/CDA	SESSION	
TIME	3 Hrs.	MAX. MARKS	100
PROGRAM	B.Tech.	CREDITS	4
NAME OF FACULTY	Dr. Nitika, Mr. Vijay Kumar Gill, Dr. Niharika, Mr. Bhanu Pratap Choudhary	NAME OF COURSE COORDINATOR	Dr. Nitika

NOTE: All Questions are compulsory

	-		Mr. and a second			
Q.NO.		QUESTIONS	MARKS	CO ADDRESSED	BLOOM' S LEVEL	PI
PART-A	1(A)	Design a MOD-10 Synchronous Up counter.	10	CO2	1.4	1.4.1, 2.2.2, 2.2.3
T-A	1(B)	A 4-bit R/2R digital-to-analog (DAC) converter has a reference of 5 volts. What is the analog output for the input code 0101?	10 .	CO2	L3	1.4.1, 2.2.2, 2.2.3
-	Q2(A)	Implement the Boolean function using 8:1 MUX- $f(\Lambda,B,C,D) = \Sigma m(2,4,5,7,10,14)$	5	CO1	L4	1.4.1, 2.2.2, 2.2.3
PART-B	2(B)	Design Full Subtractor using Demultiplexer.	5	CO1	L4	1.4.1, 2.2.2, 2.2.3
В	Q3	Implement the following expressions using K-Maps: $f(A,B,C,D) = \sum_{i=1}^{n} m(1,3,7,11,15) + d(0,2,5) \\ f(A,B,C,D) = \prod_{i=1}^{n} (4,5,6,7,8,12) \cdot d(1,2,3,9,11,14)$	10	CO1	1.3	1.4.1, 2.2.2, 2.2.3
PAR	Q4(A)	Define and explain the addressing modes of 8051 microcontroller.	5	соз	L3	1.4.1, 2.2:2, 2.2.3
PART-C	4(B)	Assuming that XTAL = 22 MHz, Write a program to generate a square wave of frequency 1 KHz on pin P1.2 using Timer.	. 5	. CO3	L4	1,4.1, · 2.2.2, 2.2.3

144

	Explain the following instructions giving proper format and example of each?				
	SWAPCLRBCINE	8	CO3	L3	1.4.1 2.2.2, 2.2.3
Q5(A)	Write an assembly language program of 8051 microcontroller to find the sum of 10 numbers stored in an array. Draw the flow chart to specify the steps of the design flow. OR	7	CO3	L4	1.4.1, 2.2.2, 2.2.3, 3.2.4
5(B) 05(C)	Convert BCD number to ASCII CODE. Draw the Architecture of 8051 Microcontroller.	. 5	C03	1.2	1.4.1,
Q7	Interface 8051 with 16X2 LCD and Write Assembly language program to display "MANAV" on LCD Screen.	15	CO4	L4	2.2.3 2.2.2, 3.2.4
Q8	Interface 8051 with ADC0804 Analog to Digital Convertor and Write Assembly language program to convert analog value into digital number. OR Interface 8051 with 4X4 Keyboard and Write Assembly language program to detect any	15	CO4*=	I.4	2.2.2, 3.2.4
	5(B) Q5(C) Q7	proper format and example of each? DA SWAP CLRB CJNE Write an assembly language program of 8051 microcontroller to find the sum of 10 numbers stored in an array. Draw the flow chart to specify the steps of the design flow. OR Write an assembly language program to convert BCD number to ASCII CODE. Draw the Architecture of 8051 Microcontroller. Interface 8051 with 16X2 LCD and Write Assembly language program to display "MANAV" on LCD Screen. Interface 8051 with ADC0804 Analog to Digital Convertor and Write Assembly language program to convert analog value into digital number. OR Interface 8051 with 4X4 Keyboard and Write Assembly language program to detect any	proper format and example of each? DA SWAP CLRB CJNE Write an assembly language program of 8051 microcontroller to find the sum of 10 numbers stored in an array. Draw the flow chart to specify the steps of the design flow. OR Write an assembly language program to convert BCD number to ASCII CODE. Draw the Architecture of 8051 Microcontroller. Interface 8051 with 16X2 LCD and Write Assembly language program to display "MANAV" on LCD Screen. Interface 8051 with ADC0804 Analog to Digital Convertor and Write Assembly language program to convert analog value into digital number. OR Interface 8051 with 4X4 Keyboard and Write Assembly language program to detect any	proper format and example of each? DA SWAP CLRB CJNE Write an assembly language program of 8051 microcontroller to find the sum of 10 numbers stored in an array. Draw the flow chart to specify the steps of the design flow. OR Write an assembly language program to convert BCD number to ASCII CODE. Draw the Architecture of 8051 Microcontroller. Interface 8051 with 16X2 LCD and Write Assembly language program to display "MANAV" on LCD Screen. Interface 8051 with ADC0804 Analog to Digital Convertor and Write Assembly language program to convert analog value into digital number. OR Interface 8051 with 4X4 Keyboard and Write Assembly language program to detect any	proper format and example of each?



"End term Examination, 2022" Paper ID:

Semester: III & VII
Subject: French
Branch: All Course Type: Core
Course Type:

Time: 1.5 hours

Program: Blub/Bsc/ UB/BBA

Student Name:

Date of Exam: 13/12/2022 Subject Code: FLS 103

Session: Odd (山) Course Nature: Hard

Signatures HOD/Associate HOD: Diggarde

Note: All questions are compulsory.

Section-A COMPRÉHENSION ÉCRITE

1. Lisez le passage et répondez aux questions suivantes. (Read the passage and answer to the questions)

Bonjour! Je m'appelle Sonia. J'ai vingt ans. J'habite à Lille. Je suis française. Je parle français, anglais et espagnol. Je suis étudiante. J'aime danser et chanter .Je déteste le poulet. Il y a quatre membres dans ma famille. Mon père est homme d'affaires. Il est fort et gentil. Ma mère est institutrice. Elle est belle et sympathique. J'ai un frère qui s'appelle Rohan. Il a dix-huit ans. Il est étudiant. J'aime ma famille.

ı frè	ère qui s'appelle Rohan. Il d'est	(3)
A	. Dites vrai ou faux: (True or False)	
a)	Sonia a une sœur.	
b)	Le père de Sonia est journaliste.	
	Sonia parle allemande.	
	Répondez aux questions. (Answer the questions)	(2)
a)	Il y a combien de (how many) membres dans la famille de Sonia?	
	•	
b)	Quelle est la profession de mère de Sonia?	
	<u> </u>	

Section B

Expression Écrite

	13371.	(5)
2.	Présentez - vous (Present yourself)	
	ou	
	Décrivez votre ami(e) (Describe your friend)	
	Section - C	
	Grammaire	
		(5)
3.	Conjuguez les verbes.	
	(Conjugate the verbs)	
a)	Nous(étre) italiens.	
b)	Je(aller) au parc.	
	L'oiseau (chanter) les chansons.	
d)	Elles (visiter) les monuments.	
c)	Tu(travailler) au bureau.	
- /		
4	Complétez avec les articles définis.	(2)
•	(Complete with definite articles-le,la,l',les)	
	C'est livre de Ria.	
b) Ce sontbonbons de Caroline.	
	avion est beau.	

d)	C'est chaise de cette classe.	(2)
5.	Complétez avec les articles indéfinis. (Complete with indefinite articles-un,une, des)	(-)
a)	Nous mangeons gâteaux.	
b)	C'estfleur.	
c)	C'est femme.	
	C'estchapeau.	(3)
	Complétez avec les nombres ordinaux. (Complete with ordinal numbers)	
a)	Mai est le mois de l'année.	
b)	Samedi est lejour de la semaine.	
c)	Septembre est le mois de l'année.	
-	Ouelle hours esteil?	(4)
7.	Quelle heure est-il ? (What time is it?)	•
a)	06 :30	·
b)	04:10	
c)	06 :30	
d)	12:10pm	
8.	Répondez aux questions.	(3)
	(Answer to the questions)	
a)	Quel est le mois entre juin et août?	
b)	Comment allez- vous?	
c)	Quel est le sixième jour de la semaine?	
9.	Reliez les colonnes. (Match the columns)	(3)

Colonne A	Colonne B	Answers
a. Il neige	i. It is pleasant	
b. Il fait beau	ii. It is sunny	
c. Il fait du soleil	iii. Snowing	

10.	. Traduisez les mots en anglais. (Translate the words in English)	(3)
a)	Merci beaucoup	
b)	Bonne Chance	
c)	Au revoir	
	SECTION-D CULTURE ET CIVILISATION	
11.	. Complétez les phrases. (Complete the sentences).	(5)
a)	est un vin français.	
b)	est un fromage français.	
c)	est la monnaie unique européenne.	
d)	,etsont les couleurs de drapeau français.	
٠,	ant la constala de la França	

(3)



DEPARTMENT OF FOREIGN LANGUAGE End term Examination, 2022

Semester: 3rd & 7th Subject: Spanish

Branch: All Course Type: Core

Time: 90 Minutes

Program: B.Tech/Education/Law/BBA/B.Sc

Date of Exam:.).3./.12/2022 Subject Code: FLS 101 Session: Odd (II) Course Nature: Soft

Max. Marks: 40

Signature: HOD/Associate HOD: \\

(5)

	Roll No
Name:	

Note: All questions are compulsory.

Ques. 1 Lee el texto y responde verdadero o falso. Read the text and respond true or false.

Me llamo María, soy mexicana pero vivo en Madrid con mi familia, la capital de España. Yo tengo veintinueve años y soy directora. Tengo un primo en Madrid que se llama Juan. Él es de España, es español, Juan tiene 30 años y es camarero. Él vive en una casa muy grande.

- a. María es de Francia. V/F
- b. María vive con familia. V/F
- c. Juan es camarero. V/F
- d. Juan es de España. V/F
- e. La casa de Juan es muy grande. V/F

Ques. 2 Elige las palabras de tabla en esta imagen y hace cinco frase con números. (2.5) Choose the words from the table in the picture and make 5 sentences using numbers.



e.g. Ha	ay seis sillas en esta clase.	
a.		
٥.		
۵.		
a.		
		(5)
Ques.	3 Hace cinco frases con el verbo ser usando profesión. Make five sentences with the verb ser using profession.	
a.		
b.		
_		
- 4		
e.		
	. 4 Busca los errores de adjetivo posesivo. Look for the error of adjective possessive. e.g. Nuestros escuelas son grandes. Nuestras escuelas son grandes. Mis bolsos son caros.	
b.	Sus coche es interesante.	
c.	Vuestros hermanas y vuestros primas son bonitos.	
d.	Nuestra padre es doctor.	
e.	Tu camisetas son modernas.	
Ques.	5 Completa con días, meses y estaciones. Complete with days, months and seasons.	(4)
a.	Martes Jueves.	
b.	Maulambra	
c.	Sábado Domingo	
a.	Febrero Marzo	

	8)
Ques.6 Completa la serie de números. Complete the series with numbers.	
a. Quince dieciocho.	
c Treinta y uno,	
	2.5)
	2.5)
Ques. 7 Escribe el nombre del miembro de la familia. Write the name of the family member.	
a. La hermana de mi padre es mi	
tore do mi padre son mis	
to review do mi padre es mi	
s subject of militia es mi	
to madro de mi madre es mi	(2.5)
Ques. 8 Cambia las siguientes palabras a plural. Change the words to plural.	(=,
Eg. Mesa = Mesas	
a. Rotulador	
b. Pez	
c. Lunes	
d. Canción	
e. Chico Ques. 9 Lee las frases y escribe verdadero o falso.	(3)
Read the sentences and write days of this se	
a. Este casa es de Juan	
b. Aquella bolso es negro	
c. Esa chica es mi amiga	
d. Estas mesas son nuevas	
e. Esa ventana es marrón,	
f. Estos hermanas son bonitas	

579

Ques.	10 Relaciona los saludos y las desp Match salutations from Spanish	edidas de español con inglés. n to English.	(2.5)
a.	Buenas noches	Thank you	
	Hasta pronto	Same here	
с.	Bienvenidos	See you soon	
d.	- 1	Good night	
	Igualmente	Welcome	
	.11 Completa con el artículo determi Complete with determinate and e.g. Una bolsa (in) El cuaderno. (d) sillas (d) canción (in) bolso (d) estudiantes (in)	inado e indeterminado. indeterminate article.	(2.5)



DEPARTMENT OF FOREIGN LANGUAGE

"End Term Examination, 2022"
Paper ID:.....

Semester: 3rd& 7 th Subject: German Branch:B.Tech/BBA/Law/B.Se/B.ed Course Type: Core Time: 1 hour 30 minutes Program: All	Date of Exam: 13.12.2022 Subject Code: FLS 102 Session: Odd (I) Course Nature: Hard Max. Marks: 40 Signatures HOD/Associate HOD:
Roll-N	No:
Student name:	
Note: All questions are compulsory.	
Question 1. Lesen Sie den Text und antworten Sie! (Read the text and answer the following questions)	(5 marks)
Vorstellung Mein Name ist Anna. Ich kommeausÖsterreich und le alt und habezweiGeschwister: MeineSchwesterheißt K 18 Jahre alt. WirwohnenmitunserenEltern in einem Ha istKöchin, meinVaterarbeitet in einer Bank. Ich lese geme und mag Tiere: Wirhabeneinen Hund, z einenTeichmitGoldfischen. Ich geheauch gerne in die und Chemie mag ich nicht so geme. Nach der Schule gehe ich oft mitmeinenFreundinnenir Samstaggehenwir oft ins Kino. Am Sonntag schlafe ic Mittagessen. Nach dem Essen gehenwirmit dem Hund 1. Beantworten Sie den folgenden Fragen: (Answer the following questions.) i. Wie alt ist die Schwester von Anna?	beseitdrei Jahren in Deutschland. Ich bin 15 Jahre Glara und ist 13 Jahre alt, meinBruder Michael ist nus in der Nähe von München. Meine Mutter weiKatzen und im Garten Schule, meinLieblingsfachistMathematik. Physik n Park spazieren, manchmalessenwireinEis. Am
ii. Wo arbeitet der Vater von Anna?	

(Look for the	he words from the text.)
i. Sor	metimes
	rents-
	lu in der Freizeit machen oder nicht machen? (3 Marks) ou or cannot do in free time? Look at the given pictures and write complete
	What do you do in your free time?
i ii.	
iii	
Question 3. chreiben Sic Write on any	über eins der folgendenThemen,circa 60 Wörter. (6 Marks) one of the topics given below.)
i. Mein F ii. MeineF	Freund/MeineFreundin Familie
	,—-

(Look for the words from the text.)
i. Sometimes
ii. Parents
Question 2. (3 Marks) Was kannst du in der Freizeit machen oder nicht machen? (3 Marks)
Was kannst du in der Freizeit machen oder nicht machen? (What can you or cannot do in free time? Look at the given pictures and write complete tentence.)
What do you do in your free time?
i
ii
iii
Question 3. (6 Marks)
Question 3. Schreiben Sie über eins der folgendenThemen, eirea 60 Wörter. (6 Marks) (Write on any one of the topics given below.)
i. Mein Freund/MeineFreundin ii. MeineFamilie
•

stion 4.	(4 Marks
setzen Sie auf Englisch.	(19 ,8)
nslate into English)	
Im Winter schneit es	
. Eine Woche hat Sieben Tage	
i. Mein Geburtstagist am siebzehntenJuni.	
Der Unterrichtbeginnt um elf uhrvierzig.	
tion 5.	(2 Marks)
st das? o is this?)	
Sie ist_	
Erist	

Ergänzen Sie die richtige verben.	(5 Marks)
(Fill in the blanks with appropriate verb forms.)	
(ist/kauft/bekommst/hat/bringt)	
i. Er zwei Kilo Tomaten.	
ii. Was du heutezumGeburtstag?	
iii. Tina eine Cola und eineLimonademi	t.
iv. Sie die Mutter von Tina und Marx.	
v. Mein Freund zweiGeschwister.	
Question 7. Schreiben Sie den Artikel (der/die/das)? (Write the correct article.)	(3 marks)
iBleistift	
ii. Heft	
iiiFreundin	
ivKuli	
vLineal	
viTasse	
Question 8. Welches Wort past hier? (Fill in the blank with suitable word in German.) (ist/bin/wohne/mein/in/meine/heiβt/in/wohnt/E-mail addres	(5 Marks) se)
	•
Servus,Name ist Roland Maurer Ich	Anna, Sie in
Pasing.Dasliegt Munchen.IhreTelefonnummer Meine ist roland.maurer@gmail.com.	0897654323
Question 9. Welcher Tag oder Monat fehlt? (Which day or month is missing?)	(2 marks)
i. Heute istDienstag, Morgen ist	
ii. Es ist Herbst. Die Monatesind,	
Question 10. Ergänzen Sie. (Fill in the blank with the appropriate information about	(5 Marks) Germany):

Question 6. Ergänzen Sie die richtige verben. (Fill in the blanks with appropriate verb forms.)	(5 Marks)
(ist/kauft/bekommst/hat/bringt)	
i. Er zwei Kilo Tomaten.	
ii. Was du heutezumGeburtstag?	
iii. Tina eine Cola und eineLimonadem	it.
iv. Sie die Mutter von Tina und Marx.	
v. Mein Freund zweiGeschwister.	
Question 7. Schreiben Sie den Artikel (der/die/das)? (Write the correct article.)	(3 marks)
iBleistift	
iiHeft	
iiiFreundin	
ivKuli	
vLineal	
viTasse	
Question 8. Welches Wort past hier? (Fill in the blank with suitable word in German.)	(5 Marks)
(ist/bin/wohne/mein/in/meine/heiβt/in/wohnt/E-mail address	e)
Servus,Name ist Roland Maurer Ich	30 jahrealt.Ich in
Question 9. Welcher Tag oder Monat fehlt? (Which day or month is missing?)	(2 marks)
i. Heute istDienstag, Morgen ist	
ii. Es ist Herbst. Die Monatesind,	· .
Question 10. Ergänzen Sle. (Fill in the blank with the appropriate information about C	(5 Marks) Germany):

Λ.	When 6	does the Oktoberfest start?	
	i.	early November	
	ii.	mid-September	
		nous eatable in Oktoberfest is?	
		Wurstchen	
	ii.	Ginger Heart Bread	
		nital of Germany is	
	i.	Wien	
	ii.	Berlin	_
	D. The	famous river of Germany is	
		Rhein	
		Hudson	
	E. Lara	kommtaus	Sie sprichtTürkisch.
	i.	Polen	
	ii.	Die Türkei	

ALLES GUTE!





"End Semester Examination, Jan' -2023"

Semester: 1

Subject: Skill Enhancement- I

Subject Code: CDO501

Time: 60 Mins

24/01/2013 Branch: MBA-BA

Max Marks: 50 Roll No:....

Instructions: All questions are compulsory. Each question carries multiple options. No negative marking. Calculator is not allowed. Answers are to be filled in the answer table only.

Answers written outside the answer table won't be considered.

Answer Table:

								9	10
	2	3	4	5	6	7	- B	19	20
1	- 2	12	14	15	16	17	18	_	30
11	12	13		25	26	27	28	29	
21	22	23	24		36	37	38	39	40
31	32	33	34	35	_	47	48	49	50
41	42	43	44	45	46	47			

1. Find the nu	mber of factors of 250?	-74.	D. 32
A. 8	В. 16	C. 24	0. 32
2. Find the nur	mber of even factors of 3	40?	D. 2
A. 8	В. 6	C. 4	U. 2
	duct of factors of 280?		D 2009
A. 28018	B. 280 ²⁴	C. 280*	D. 280°
4. Find the sun	of factors of 4004?		
A. 4004	B. 5444	C. 9000	D. 9408
5. Find the nun	nber of prime factors of 2	1877	
A 1	B. 2	C. 4	D. 8
6. How many fa	ctors of 2" * 3" * 52 * 92	• 10 ² are multiples of 18	?
A. 496	B. 480	C. 405	D. 505
7. Find the sum	of even factors of 370?		
A 656	В. 456	C. 756	D. 750
8. Find the unit	digit of 2115 * 784125 * 58	265867	
A. 2	В. О	C. 6	D. 8
9. Find the last o	ligit of 554 ⁷⁸² • 983 ⁵⁸¹ 7		
A. B	B. 1	C. 6	D. 3
10. Find the unit	digit of (257445 + 881858)	* (323 ⁸²⁵ + 445 ⁹⁵⁴)?	
A. 0	8. 1	C. 2	D. 4
11. Find the last	digit of (276 ¹⁷⁷ * 126 ⁸⁴⁷)?		
A. 0	B. 6	C. 2	D. 3
12. What percen	t of 50 are 90?		
A. 125%	B. 150%	C.175%	D. 180%
13. If y exceeds x	by 125%, then x is less th	nan y by?	D. 100/6
A. 44.44%	B. 55.55 %	C. 66.66 %	D 77.77.04
14. How much 75	% of 60 is greater than 7	5% of 20?	D. 77.77 %
A. 80	B. 30	C. 50	D. 20
			D. 20

15. How much is 80	% of 140 is greater than	n 4/5 of 80?	
A. 48	B. 36	C. 49	D. 32
16. 40% of a number	er is more than 60% of 6	50 by 190. Find the num	nber?
	B 1640	C. 1450	D. 1440
17, 50% of a number	er is added to 280, the re	esult is the same numbe	er. Find the number r
A 560	B. 570	C. 580	0. 350
18 50 is subtracted	from 50% of a number,	the result is 50. Find th	e number?
A. 150	B. 200	C. 250	D. 300
	tion value of 55.55%?		
A. 2/9	B. 1/13	C. 2/13	D. 5/9
20 What is the frac	tion value of 71.4%?		D. None of these
A. 2/9	B. 4/7	C. 5/7	D. None of these
21 What is the frac	tion value of 30.76%?		5 4/13
A A/7	B. 3/8	C. 3/7	D. 4/13
A. 4//	e respectively 25% and	40% more than a third r	number. The percentage that is first
of the second is?			D. 57.76%
of the second is:	B. 85.85%	C. 89.28%	D. 57.76%
A. 82.82%	nist was at first raised b	y 20% and then the san	ne was reduced by 25%. If he
23. The salary of a c	540.What was his origina	al salary?	
presently draws has	B. 600	C. 540	D. 750
A. 450	63% of the votes polled	and he won to his rival l	by 4680 votes. How many votes were
	05/0 01 1112		
cast?	В. 18000	C. 17000	D. 16000
A. 15000	some apples. He sells 60)% apples and still has 4	20 apples. Originally, he had: D. 1500
25. A fruit seller flau	B. 1100	C. 1050	D. 1500
A. 1000	udent has to secure 359	6 marks to pass. He get:	s 118 marks and fails by 22 marks.
26. An engineering s	that can be obtained by	him is?	
	- 400	(330	D. 500
A. 300	B. 400 f 12 pens is equal to the	selling price of 8 pens,	the gain percent is ?
	R 30%	C. 30%	
A. 12%	of 20%, 20% and 40% is	equal to a single discou	nt of
	~ 64 600/	(Pt 1.2b	D. 00.070
A. 50%	ws a discount of 20% on	an article and still mak	es a profit of 25%. What does he
29. A shopkeeper and	se marked price is ₹800	7	
	0.000	C. 512	D. 640
A. 492	based pens in bulk for f	Rs.28 each. He sold each	h for Rs.40. What was his profit
	naseu pens in boil.		
percentage?	В. 7.14%	C. 21.85%	D. 47.78%
A. 14.28%	3. 7.1470		covering 4 km. Finally, He moved 3
31. Siva Reddy walked	hen again 1 km west. Ho	ow far is he from his ini	tial position?
	a a km	C. Z KM	D. 4 KM
A. 10 km	towads South. Then tu	rned East and covered	10 kms and turned to the right.
Again after 10 kms. he	turned to left and cover	ed 10 kms to reach the	destination. How far is he from his
starting point?			
A. 18.8 km	B. 28.28 km	C. 16 km	D. 20 km

turning twice right and then left before reaching the school. What direction the bus isop in front of Rajesh's house? A. East B. North 34. Anil wants to go the university. He starts from his house which is in the East and comes to a crossing the road to his left ends in a theatre, straight ahead is the hospital. In which direction is the University? The road to his left ends in a theatre, straight ahead is the hospital. In which direction is the University? A. East B. North C. South 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West A. North B. East C. South-East D. North-West A. Oth M. B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. North-East B. North-West D. West B. North-West B. North-West D. West B. North-West B. North-West D. West B. Son D. D. West C. Coust D. Grandmother D. Grandmother D. West D. Grandmother D. West D. West D. West D. Grandmother D. West D. West D. West D. Grandmother D. West D. Grandmother D. Grandmother D. Grandmother D. Grandmother D. Grandmother D. Opata inadequate D. D. Data inadequate D. Grandfather D. Grandfather D. Data inadequate D. Data inadequate D. Grandfather D.	33. Rajesh's schoo	l bus is facing North w	then reaches his school.	After starting from Rajesh s house
A. East B. North A. C. South D. West 34. Anil wants to go the university. He starts from his house which lis in the East and comes to a crossing at Anil wants to go the university? He starts from his house which lis in the East and comes to a crossing the road to his left ends in a theatre, straight ahead is the hospital. In which direction is the University? A. East B. North C. South 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West A. An walks 1 km towards East and then he turns to South and walks 5 km. Again he turns to East and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point? A. 10 km B. 9 km C. 5 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km J. Jam facing South. I turn right and walk 20 m. Then, I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West B. North-West C. North D. West A. North-East B. North-West C. North D. West A. North-East B. North-West C. North D. West A. North-East B. North-West B. North-West C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother A. Brother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. Brother B. Nicce C. Cousin D. Data inadequate A. Sister B. Nicce C. Cousin D. Data inadequate A. Father B. Brother C. Wife D. Daughter A. Aunt B. Mother C. Wife D. Daughter A. Aunt B. Brother C. Grandfather D. Uncle A. Father B. Brother C. Grandfather O. Uncle D. Brother-in-law D. Father-in-law D. Data is inadequate D. Father-in-law D. Father-in-law D. Data is inadequate C. Grandfather D. D	turning twice right	and then left before	reaching the school. Wh	at direction the bus facing when
A. East B. North C. South D. West 34. Anil wants to go the university. He starts from his house which is in the East and comes to a crossing The road to his left ends in a theatre, straight ahead is the hospital. In which direction is the University? A. East B. North C. South D. West 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West 36. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns to East and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point? A. 10 km B. 9 km C. 5 km D. 4 km 37. I am facing South. I trun right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Umesh? A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt A. Pointing to a woman, Manish said, "She is the daughter of the father of my father". How is Y 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Grandfather D. Uncle 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Grandfather C. Uncle D. Data is inadequate 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the man in the photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph Anjali said, "He is the son of the only	the bus stop in fro	nt of Rajesh's house?		
A. East B. North 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km A. 10	A Fast	B. North		to a crossing
A. East B. North 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km A. 10	A. Cost	o the university. He st	arts from his house which	ch is in the East and comes to be University?
A. East B. North 35. If South-East becomes North, North-East becomes West and so on, what will West become? A. North B. East C. South-East D. North-West A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. North B. East D. North-West A. North A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km A. 10 km A. 10 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km A. 10	34. Ann wants to b	ends in a theatre, str.	aight ahead is the hospit	tal. In which direction is the Oniversity
A. Last 35. If South-East becomes North, North-East becomes West and so on, what will West becomes A. North B. East C. South-East D. North-West A. North B. East C. South-East D. North-West D. North-West A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 1 kmr right again and walk 10 m. Then I turn left and walk 10 m. Then let urn left and walk 10 m. Then let urn left and walk 10 m. Then let urn left and walk 10	The road to his len	Citas in a tileatic, sti	. B	D Wast
A. North 36. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point? A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km Then I turn right adawalk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North D. West A. North-Fast B. North-West C. North D. West A. Mother A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother A. Mother D. Nephew A. Father B. Son C. Brother-in-law D. Nephew C. Brother-in-law D. Nephew A. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How is 41. Pointing to a woman, Manish said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Father B. Brother B. Brother C. Grandfather C. Wife D. Daughter A. Father B. Brother B. Brother B. Brother C. Grandfather C. Uncle D. Brother-in-law A. Father B. Grandfather C. Uncle D. Brother-in-law A. Father B. Grandfather C. Son D. Data is inadequate A. Father B. Grandfather C. Son D. Data is inadequate C. Son D. Data is inadequate D. Father-in-law D. Father	A. East	sames North North	ast becomes West and	so on, what will West become:
A. North 36. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point? A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km B. 9 km C. 5 km D. 4 km A. 10 km Then I turn right adawalk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North D. West A. North-Fast B. North-West C. North D. West A. Mother A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother A. Mother D. Nephew A. Father B. Son C. Brother-in-law D. Nephew C. Brother-in-law D. Nephew A. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How is 41. Pointing to a woman, Manish said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Father B. Brother B. Brother C. Grandfather C. Wife D. Daughter A. Father B. Brother B. Brother B. Brother C. Grandfather C. Uncle D. Brother-in-law A. Father B. Grandfather C. Uncle D. Brother-in-law A. Father B. Grandfather C. Son D. Data is inadequate A. Father B. Grandfather C. Son D. Data is inadequate C. Son D. Data is inadequate D. Father-in-law D. Father	35. If South-East De	Comes North, North-	C South-Fast	D. North-West
A. 10 km B. 9 km C. 5 km D. 4 km 37. I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North D. West A. North-East B. North-West C. North D. West A. North-East B. North-West C. Aunt D. Grandmother A. Mother B. Sister C. Aunt J. Grandmother A. Mother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How is Y the woman related to Manish? A. Sister B. Nicce C. Cousin D. Data inadequate A. Sister A. Johnting to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Father B. Brother A. Father B. Brother C. Grandfather C. Uricle D. Daughter A. Father B. Grandfather C. Uncle D. Brother-in-law A. Fointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate A. Brother B. Uncle C. Son D. Data is inadequate D. Father-in-law A. Brother B. Grandfather C. Uncle D. Brother-in-law D. Father-in-law D.				
A. 10 km B. 9 km C. 5 km D. 4 km 37. I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North D. West A. North-East B. North-West C. North D. West A. North-East B. North-West C. Aunt D. Grandmother A. Mother B. Sister C. Aunt J. Grandmother A. Mother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How is Y the woman related to Manish? A. Sister B. Nicce C. Cousin D. Data inadequate A. Sister A. Johnting to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Father B. Brother A. Father B. Brother C. Grandfather C. Uricle D. Daughter A. Father B. Grandfather C. Uncle D. Brother-in-law A. Fointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate A. Brother B. Uncle C. Son D. Data is inadequate D. Father-in-law A. Brother B. Grandfather C. Uncle D. Brother-in-law D. Father-in-law D.	36. A man walks 1	km towards East and t	the and walks 9 km. Now	how far is he from his starting points
A. 10 km 37. I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. and then turning right walk 20 m. Then, I turn right again and walks 60 m. In which direction am I from the starting point? A. North-East B. North-West C. North D. West A. North-East B. North-West C. North D. West B. Sointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Umesh? A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. D. Nephew A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it was the woman related to the person? A. Jointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle A. Father B. Brother C. Grandfather D. Uncle A. Father B. Grandfather A. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Brother B. Grandfather C. Uncle D. Brother-in-law A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. EDRIRL B. DCQHQK C. ESIFME D	and walks 2 km,aft	er this he turns to Nor	C E km	D. 4 km
and Walk I Dim the starting point? A. North-East B. North-West C. North D. West 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father." How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my grandmother." How is the woman related to Manish? A. Brother B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as MYMYMY, how will TAMIL NADU				
and Walk I Dim the starting point? A. North-East B. North-West C. North D. West 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father." How is Y 39. X introduces Y saying "He is the husband of the granddaughter of the father of my grandmother." How is the woman related to Manish? A. Brother B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as MYMYMY, how will TAMIL NADU	37. I am facing Sou	th. I turn right and wal	k 20 m . Then I turn righ	t again and walks 60 m. In which
A. North-East B. North-West 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Umesh? A. Mother B. Sister C. Aunt D. Grandmother 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y a. Brother B. Son C. Brother-in-law D. Nephew 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Aunt B. Brother C. Grandfather D. Uncle A. Father B. Brother C. Grandfather D. Uncle A. Father B. Brother C. Grandfather D. Uncle A. Father B. Grandfather A. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Grandfather C. Husband D. Father-in-law 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPOJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIN NADU be written? 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	and walk to ill allu	then taring	k 20 m. Then, I turn right	Lugani
A. North-East B. North-West C. North 38. Pointing to a girl in the photograph, Umesh said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Umesh? A. Mother B. Sister C. Aunt D. Grandmother 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is Y related to X? A. Brother B. Son C. Brother-in-law D. Nephew 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Brother 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If IVICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIN NADU be written? 49. If FRIEND is coded as HUMJITK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	direction am i from	the starting points	223 . 2	n West
A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother G. A. Mother B. Sister C. Aunt D. Nephew A. Mother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. D. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate A. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Aunt B. Mother C. Grandfather D. Uncle L. Father B. Brother C. Grandfather D. Uncle J. Brother G. Grandfather D. Uncle J. Brother G. Grandfather D. Uncle J. Brother G. Uncle D. Brother-in-law A. Pather B. Grandfather C. Uncle D. Brother-in-law A. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law A. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47.In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESIFME D. FYOBOC	A. North-East	B. North-West	C. North	brother is the only son of my
A. Mother B. Sister C. Aunt D. Grandmother A. Mother B. Sister C. Aunt D. Grandmother G. A. Mother B. Sister C. Aunt D. Nephew A. Mother B. Son C. Brother-in-law D. Nephew A. Brother B. Son C. Brother-in-law D. Nephew A. D. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate A. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter A. Aunt B. Mother C. Grandfather D. Uncle L. Father B. Brother C. Grandfather D. Uncle J. Brother G. Grandfather D. Uncle J. Brother G. Grandfather D. Uncle J. Brother G. Uncle D. Brother-in-law A. Pather B. Grandfather C. Uncle D. Brother-in-law A. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law A. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47.In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESIFME D. FYOBOC	38. Pointing to a gir	I in the photograph, U	mesh said, "Her mother	3 biother
A. Mother B. Sister 39. X introduces Y saying "He is the husband of the granddaughter of the father of my father". How is related to X? A. Brother B. Son C. Brother-in-law D. Nephew 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLEVRRUB, how can SUCCESS be coded? A. VXEEIV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	- athor's tather " H	UM IZ THE KILL 3 HIGHIE		n Canadmother
related to X? A. Brother B. Son C. Brother-in-law D. Nephew 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPOJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	A Mother	B. Sister	C. Aunt	at the father of my father". How is Y
related to X? A. Brother B. Son C. Brother-in-law D. Nephew 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How it the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPOJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	39 X introduces Y s	aying "He is the husba	nd of the granddaughte	r of the father of the
A. Brother B. Son C. Brother-In-Industry 40. Pointing to a woman, Manish said, "She is the daughter of the only child of my grandmother." How is the woman related to Manish? A. Sister B. Niece C. Cousin D. Data inadequate 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPOJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESIFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	related to X /			D Nonhew
A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Daughter C. Wife D. Daughter D. Daughter C. Wife D. Daughter D. Daughter C. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle C. Grandfather D. Uncle D. Brother's father''. D. Brother-in-law A. Father B. Grandfather C. Uncle D. Brother-in-law D. Brother-in-law A. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate A. Brother B. Uncle C. Son D. Data is inadequate D. Father-in-law D. Father-in-law C. Husband D. Father-in-law D. Father-in-law D. Father-in-law D. Father-in-law C. Husband D. Father-in-law D. Father-in-law D. Father-in-law C. WXEEIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. NYEFIVV D. RCTQNC A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC A. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD J. FYOBOC D. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A Brother	B. Son	C. Brother-in-law	b. Nepher." How is
A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Data inadequate A. Sister B. Niece C. Cousin D. Daughter C. Wife D. Daughter D. Daughter C. Wife D. Daughter D. Daughter C. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle C. Grandfather D. Uncle D. Brother's father''. D. Brother-in-law A. Father B. Grandfather C. Uncle D. Brother-in-law D. Brother-in-law A. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate A. Brother B. Uncle C. Son D. Data is inadequate D. Father-in-law D. Father-in-law C. Husband D. Father-in-law D. Father-in-law D. Father-in-law D. Father-in-law C. Husband D. Father-in-law D. Father-in-law D. Father-in-law C. WXEEIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. VYEFIVV D. NYEFIVV D. RCTQNC A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC A. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD J. FYOBOC D. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	AO Pointing to a WO	man, Manish said, "Sh	e is the daughter of the	only child of my Branch
A. Sister 41. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person? A. Aunt B. Mother C. Wife D. Daughter D. Dau	the woman related	to Manish?		o persiondequate
was the woman related to the personner. A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A Cistor	B. Niece	C. Cousin	D. Data madequate
was the woman related to the personner. A. Aunt B. Mother C. Wife D. Daughter 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Sister	son, a man said to a w	oman, "His mother is th	e only daughter of your rather.
A. Aunt B. Mother 42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? A. Father B. Brother C. Grandfather D. Uncle 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESIFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	41. Pointing to a per	ted to the person?		5 5 00 to 5
42. K and L are brothers. M and N are sisters. K's son is N's brother. How is L related to M? 43. Father B. Brother C. Grandfather D. Uncle 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". 43. Pointing to a person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 44. Pointing to a photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?			C. Wife	D. Daughter
A. Father 43. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Aunt	ers M and N are siste	rs. K's son is N's brother	. How is L related to M?
43. Pointing to a person, Deepak said, "His only brother is the father of my daugnter's father'. 43. Pointing to a person related to Deepak? A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPOJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	42. K and L are bloth	B Brother	C. Grandfather D.	Uncle
A. Father B. Grandfather C. Uncle D. Brother-in-law 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? 46. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Father	on Deepak said, "His	only brother is the fathe	er of my daughter's father".
A. Father 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC	43. Pointing to a per	lated to Deepak?		
A. Father 44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali? A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47.In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?			C. Uncle	
A. Brother B. Uncle C. Son D. Data is inadequate 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Father	tograph Aniali said. "H	e is the son of the only	son of my grandfather."
A. Brother 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	44. Pointing to a pho	a shotograph related t	o Aniali?	
A. Brother 45. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl? A. Brother B. Grandfather C. Husband D. Father-in-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?		D Hacia	t 30n	
A. Brother B. Grandfather C. Husband D. Father-In-law 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Brother	at the wife of the a	randson of my mother".	How is Amit related to the grl?
A. Brother 46. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded? A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47. In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?		girl is the wife of the B	C Husband	D. Father-in-law
A. VXEEIVV B. VXFFHVV C. VYEEHVV D. VYEFIVV 47.In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. Brother	B. Granolather		
47.In a certain code, TOGETHER is written as RQEGRICT. In the same code, PAROLE will be written as A. NCPQIG B. NCQPIG C. RCPQIK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?		d as YLFWRUB, now C	C INCEPIN	D WEEKW
A. NCPQJG B. NCQPJG C. RCPQJK D. RCTQNC 48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. VXEEIVV	B. VXFFHVV		a sada BAROLE will be written an
48. If BOMBAY is written as MYMYMY, how will TAMIL NADU be written? A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?		rOGETHER is written a	s RQEGRICT, in the sam	e code, PAROLE WIII be Written as
A. TIATIATIA B. MNUMNUMNU C. IATIATIAT D. ALDALDALD 49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. NCPQJG	B. NCQPJG		
49. If FRIEND is coded as HUMJTK, how is CANDLE written in that code? A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	48. If BOMBAY is writt	ten as MYMYMY, how	will TAMIL NADU be wr	itten?
A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. TIATIATIA	B. MNUMNUMNU		
A. EDRIRL B. DCQHQK C. ESJFME D. FYOBOC 50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	49. If FRIEND is coded		NDLE written in that co	
50. In a code if COUNSEL is coded as BITIRAK, how is GUIDANCE written?	A. EDRIRL	B. DCQHQK	C. ESJFME	D. FYOBOC
	50. In a code if COUNS	EL is coded as BITIRAK	, how is GUIDANCE writ	tten?
· · · · · · · · · · · · · · · · ·	A. EOHYZKBB	B. FOHYZIBB	C. FPHZZKAB	D. НОНҮВЈВА

Hans.



Career Development Centre "End Semester Examination, Jan' -2023"

								46.	
Semeste	er 1	St	biect: Pro	ofession	al Commu	inication-	I NAM	tion"	*******
Subject	Code: CI	00105	,	Tim	c: 60 Min	. 041	Poli	No:	
Branch:	Education	n/LAW			e: 60 Min:	(1111)	Kon	[10	
01	a Hollie	**			Each oue	etion carr	ics multip	de options	. No
Instruct	ions: All	questions	are comp	ulsory.	Each que Answers	are to be	filled in t	he answei	table
negative	marking.	Calculat	or is not a	llowed	Answers '	he consid	ered.		
only. An	swers wr	itten outs	ide the ar	iswer ta	ble won't	ae consin			
Answer	Table:					7	8	9	10
1	2	3	4	5	6	17	18	19	20
11	12	13	14	15	16 26	27	28	29	30
21	22	23	24	25	36	37	38	39	40
31	32	33	34	35 45	46	47	48	49	50
	42	43	44					8 8 8 8 .	
			icu	all know	yn for beir	ng the lan	guage of	internatio	nai
Q1. The		lang	uage is w	Eli Kiio	vn for beir				
	ication in	the work					DI Ger	rman	
A] English	h	BJ Sp	anisn	a in hot	C] French h your		and	professio	nal lives.
	· · · · · · · · · · · · · · · · · · ·	ch will be	IIIVaiduo.	•			01.0	olic	nal lives.
Q2. Learn A) Forma Q3	I.	0,, 0			- English	Spoken b	y a partici	ular locali	ty.
Q3		is a	a term ex	Clusive	C] Localist	n	D] Hin	glish	
A] Indiani	ism	B] Ne	utral	anco has	heen stri	uctured as	s if it was	literally	
A] Indiani Q4. Local	ism refers	to the w	ay a sente	ence no.	been				
	from a	local lang	uage.		· · · · · · · · · · · · · · · · · ·		Dl tran	sslated	
A] taken		B) Spo	oken .	This is	a typical t	houghtles	s transla	tion from	Hindi –
O5. What	is your _		name	, i uiz iz	a typical t				
Aan ka sh	ubh naam	i kya nair			olales		Di beau	atiful	
Al good		B] bac	1		oducation:	al institut	ion, they		from
A] good Q6. When	one com	pletes on	e's degre	e at an o	hat Institu	tion	,		
		do not	D455 UUL					school	
							-1		
A] master' Q7. Birth a	nd Berth	is a classi	c example) homoph	<u> </u>	Ol local	ism	
Al antony	ns	B] syn	onyms		J nomoph	enalling a	nd differ	ent mean	ings are
A] antonyr Q8. Words	that have	e same pr	onunciat	ion, but	different	spelling a	nu umen	ent mean	ings are
called									
Al homonh	ones	B] anto		C	synonym	S	D) nom	ographs	
on Which	of the set	ntence is	correct:						
Al Arnay III	es to rap	, nap and	earing si	acks.	7.			ap and sr	
C] Arnav lik	es to rap	nap and	snack.	D)	Arnay like	es to rap,	napping	and eat s	nacks.
	-liena ic in	red Willi b	Sistingues	in lists o	r in a		or exam	ple, This t	ask can
be done inc	dividually.	in pairs,	or in grou	ips or re	di.				
be done inc	al violatiny)	Bl disor	der	C)	programm	ne	D] sitco	m	

B] disorder

A] series

Q11. Parallelism	is used with elemen	its joined by	words. For example, the
teacher wants h	is students not only	to keep quiet but also	to do the task.
Al injoing	RI linking	C1 faulty	D1 difficult
Q12. Tautologic	al Error is the error o	f, ""	. It is the error of writing the same
thing twice.			
Al codundancy	B) repeating	C] important	D] multiple
013. A	is a word, phra	se, or clause that add	s detail or description to a
sentence.			
•1	B) modifier	C] altar	D] static
014 Words ph	ases, or clauses that	are "out of place" are	often called
modifiers.	4303, 6, 6,6		
	Bl in place	C] misplaced	D) disorder
		turaan tura	t
41 different	RI not in order	C] inappropriat	e D) similar
A) different	hefore the	nouns while les	s is used before the uncountable
	before the		
nouns.	B) countable	CJ plenty	D] scanty
AJ numbered	ouns usually take a	C) definite	
	RI niurai	C) acimire	
	DOC NO Determined by 200	rake a	rm.
	DI alural	C) demice	
A) singular	Le , nov	els, etc. are treated as	singular.
Q19, Titles of bot	81 nictures	C] movies	D] animation
Al documentaries	ickens laid eg	gs.	
A] some	RI have	C] has	D] many
Q21. Only	affects the verb.		
Q21. Only	B] predicate	C] noun	D] pronoun
AJ subject	ose is derived from Li	atin word "tempus" w	hich means D] thing
		C) place	D] thing
A] space	lived abroad for five	years.	
Q23. Janet	B) has	C] is	D] if
A] have	the	e ways in which a wor	d can be used in grammar. D] elaborate
Q24. Word Classes	Pl describe	C] summarize	D] elaborate
A] paraphrase	major word classe	25.	
	major word classe B] 6	C1 /	D] 8
A] 5	for things that do	n't physically exist are	called nouns.
	B) proper	C] common	D] countable
A] abstract	B) proper	tell you more about	them is called
	of describe riouris and	C) pronoun	D] verb
A] adverb	B) adjective	c) promoun	
Q28. Verbs describe	·	Cl in action	D] no action
A] action	B] reaction	ction of the yerh is th	t abuse
		ction of the vero is th	e It always
comes before the ve	erb.	Claublant	Discodings
A] verb	B] adverb	C] subject	
Q30. Adverbs tell yo	u how, when, where	and how a t	thing is done. Adverbs are
mostly connected to	verbs.		
Al often	Bl few	C) more	D] many
Q31. Adverbs can be	categorized into ma	nner, and p	olace.
A] money	B] space	C] time	D) speed

O32 Words used	instead of a noun are	ralled .	
	B) adverb		D] pronoun
O33 We use pren	neitions to show how		elate to each other in a
sentence.	031110113 10 311011 11011		
	B] verb	Cladverb	D] conjunctions
Aj noun	oj vero	the yard	
	are playing with a ball	-1 .	D] to
A] on	B] in	Cjat idea Tolioin m	ore than one idea together in
Q35. Some senter	ices are simple and give	e one idea. To join	ore than one idea together in
A) interjections	B] prepositions	C) conjunctions	ought or feeling.
Q36. An	is a single work	d that expresses a ur	p1 interjections
A] conjunction	B) pronouns	C) preposition	
Al something	B] few things	C] nothing	nonents of attitude.
O38. Cognitive,	B] few things and beha	aviour are the 3 com	D1 physical
Al emotional	B] spiritual	C] Intellectual	antihute
O39 Attitude is a	human trait and	is an inborn	ni nsvehological
Al amotion	BI Deligation	-,,	b) ps/colo
O40 There are	types of attitudes		
ALE	B] 4	C] 3	on a relationships
AJS	halar mail	ntain positive inter-	Di nida
A] polite		IATIVUALC	
			. Olimoring
Q43. Social intelligi	B] spoken	C] talking	D] ignoring
A] non verbal	B] spoken and trust describe	intellig	gence.
Q44. Tact, timing,	B] common	C] emotional	DJ special
A] spiritual	ou please speaking p	ositively about other	rs, being a good listener and
Q45. Saying thank	, contribute to social g	race.	
ofter	B) whining	C] rude	D) smiling
A) gossiping	b) williams	action, job performa	ance, organizational
Q46. High quality w	B) whining ork relations, job satisf		
commitments are a	II outcomes o.	Cl diversity	D] integrity
A] inclusion	B) exclusion	the person is subject	ed to annoying behaviour
Q47	harassment is where	are person	
while working.		C] public	D] workplace
A) party	B) personal	muslity between neo	ple of opposite gender.
Q48. Gender		C] acceptance	D] behaviour
A] inclusion	B] discrimination	challenges for other	ically challenged people.
Q49		Challenges for pitys	D] simple
A] problem	B] help	C] stereotyping	Of sumper
Q50	influences results.	at at a sale	D) mindrat
A] fixed	B] negative	C] thought	D] mindset
A) IIACO			

Dy. Directors EDC



Career Development Centre

"End Semester Examination, Jan' -2023"

Subject: Professional Communication-I

NAME:....

Comort	or 1		Subject: I	Professional	Communi	cation-1	Section:		
Semester: 1 Subject: Professional Control Subject: Professional Co					Pall Nor-				
			- 50		and a				
				Serien-I			No.	negative i	narking.
	riames All o	nestions ar	e compulso	ry. Each q	uestion carr	ies multiple	y. Answers	eritten out	side the
Instruc	mons: All q	lawed An	cuars are to	be filled in	n the answe	er table only	y. Answers	Ville.	
Calcula	ator is not ai	lowed Am	site in the in	, ,,,,					
answe	table won	t be consta	erea.						
	- Tables								
Answe	r Table:					7	8	9	10
1	2	3	4	5	6		18	19	20
11	12	13	14	15	16	17	28	29	30
21	22	23	24	25	26	27	38	39	40
31	32	33	34	35	36	37	48	49	50
41	42	43	44	45	46	47	48		
A. Beha L. Feelin	tive	nts and moo	ds of emotion B. Behavior	ons are repre	esented by w	Courtes which compo C. Emo	nent of attitu ational/ Affec	ide? tive D. Non	e of these
	rs affecting t		D Social Da	veinonnent		C. Ethic	al developm	ent D. All o	f these
Intell	ectual develo	opment othat results	s in desirable	outcomes	for individua	ils and organ	nizations		1
			B. Positive	Attitude		C. 110 B.	ative Attitude	D. Non	e of these
The f	ide ormation of a	attitudes du	e to observa	nce to one's	own self is	called			
A. Expo			B. Associat	ive Learning		C. Self-	Perception	D. Fund	ctional reasons
. Cogn	tive Dissona	nce is:				2.0			
			B. Change	via internal	discrepancy	C. Pers	uasion	D. Non	e of these
. Show	ing good bet	navior, actio	ns, and man	ners when	one commu	nicates whil	e dealing wit	n people is	called
			B. Manner	\$		C.ben	avior	D. Atti	tude
.The d	egree to whi	ch an emplo	yee is accep	ited and trea	ited as an in	C. Inch	ers in a work	system is c	alled
. Cour	resy	10-20	B. Diversity	1,		C. inch	usion	D. Chi	vairy
, Outo	omes of inclu	ision are:	B. Job satis	faction		C. Boti	h of these	D No.	ne of these

10. The biggest barrier for people with disability is how the society disables them by way of: **B.** Gender Discrimination

B. Gender Discrimination

12. The dress appropriate to wear for interview or for a professional work environment is

11. Bullying, inappropriate promise of rewards in exchange of sexual favors is called

B.5 ports wear

B. Navy Blue

B. Social Stigma

13. Best color for trousers to wear in an interview would be:

14. The LGBTQ individuals face a number of challenges because of:

A. Improved work relations

A. Disability discrimination

A. Disability discrimination

A. Family expectations

A. Party wear

A. White

Scanned with CamScanner

D. None of these

D .Casual wear

D. All of these

D. Purple

D. Racial Discrimination

D. Racial Discrimination

C. Sexual Harassment

C. Sexual Harassment

C. Formal wear

C. Light Green

C. Discrimination

5. Professional behavior at wo	rkplace includes:			
	D C		C. Social grace	D. All of these
(, Civility .6-Direction: Read the followin	g sentence and pick out	the underlined p	art which is neither a N	oun nor a Pronount
Lwant to pursue my career in	advertising.			· ·····
Twant to parses,	B. pursue		C. career	D. advertisement
A. I 17-Direction: Read the followi	ne sentence and nick out	the underlined	part which is neither a N	lonu uot au volective
The <u>principal</u> always <u>helped</u> th	e needy students	Sile Sile Sile Sile Sile Sile Sile Sile		
The principal always helped th	R beload		C. needy	D. students
A. principal	wing contance and choos	se the correct on	tion as to which parts o	f speech the under inte
A. principal 18-20Direction: Read the follo	wing sentence and choos	se the content of	**************************************	
word isr				
18. He is the fan of cricket?	O. Orangum		C. Preposition	D. Verb
A. Adverb	B. Pronoun		100	
19. Fruits and vegetables are g	ood for nearth.		C. Interjection	D. Preposition
A. Verb	B. Adverb			
20. The student wrote an appl	ication to his teacher.		C. Pronoun	D. Verb
A. Adverb	B. Noun			
A. Adverb 21-25 Direction: Choose the co	orrect form of tenses from	n the options giv	ment.	*
21. I working all a	fternoon and have just in	URSHER CHE GOSSIP.	C. shall be	D. am
A base book	B, had been		C. Silan D	
22. Rohan the mo	vie before he read the re	view.	C. had watched	D. was watching
A. watches 23. He in the Stat	B. have watched	a command o	ver the English languag	e.
23. He in the Stat	es but he still does not ha	ive a command o	C. have lived	D. living
A. have been living	B. has been living	est shop in our n	eighbourhood.	
A. have been living 24. "Shyam and his brothers"	a famous swi	eet shop in our	C. is	D. have
(Caral	B. nave been		• • •	
25. You should not	_ the worst.		C. assume	D. assumes
A. assumed	B. assuming	the options give		
A. assumed 26-30 Direction: Choose the co	orrect form of verbs from	the options b		
26. The teacher	B. has		C, is	D. are
A barra	D. 1103			V
27.Ram and Shyam	B. has		C. are	D. had
A . b	D. 1103			22.00
28. She her office b	B. reaches		C. reached	D. reaching
A. reach 29. Rahul and his friends	also invited to t	he party.		
29. Rahul and his friends	B. was		C. had	D. were
A. is 30. Neither you nor your sister	should to t	them.		
***	H. Taiks		C. talked	D. talking
A. talk 31-32 Decide whether the sent	tence has parallelism or n	ot?		
31. She decided to leave her jo	b and travelling the world	**		25.5
			C. Can't say	D. None of these
A. Parallel 32. He started the engine, rele	ased the hand break, and	checked the mir	ror.	1
32. He started the engine, tele	B. Not Parallel		C. Can't say	D. None of these
A. Parallel 33-34Read the following quest	ions and choose the corre	ect options from	the options given belov	v
t the following sent	ences is correcti			
- touled lude Caff	oms, and these,		ying Ludo, play carrom	
C. Mia likes to play Ludo, carro	ms, and playing chess.	D. Mia likes play	ying Ludo, carroms, and	l play chess.
34. Amal has				
a see a bike and a cycle.			and she has a cycle.	
A - Like and the ha	s a cycle.	D. None of the a	ibove.	
C. a car and a bike, and site is 35. In a group discussion, one	must communicate men			
A Hostility	B. Ignorance	C. Courte	esy	D. Arrogance

	36. Which of these must be avoided in a group discussion? Speaking Facts B. Counter questioning	C. Speaking with clarity	D. Speaking on the to	opic
	37. In a group discussion a person who begins the discussion B. Starter	ion is called C. Beginner	D) Moderator	
	A. In recruitment, Group Discussion is used as a tool of:	C. Lecture	D. Elimination	72
	A. Presentation of the following is incorrect way to initiate your self-	introduction? C. Myself	D. None of these	٠
	A lam what is Self- introduction?	B. Your personality description	den l'	1
	A Your one minute self-sales pitch for the interviewer C Description of daily routine	D. Description of family inform	ation	' . e
	41. Which of the following greeting is inappropriate in formal in B. Good Morning A. Hello B. Good Morning	lashonic etiquette?	D. None of the abov	•
	42. Which of the following CANNOT be considered as a good of A Speak slowly so as to be understood A Speak slowly so as to be understood	D. End the call with a polite Go	has to say od bye or Thank You	,
	43 The most appropriate grooming tip for an interview should		ntemporary look	
	A Take care of the body odor C The arms of the shirt should be folded	D. None of the above	Lie/hor views	,
	44. What do you do if you find someone not able to speak in a C A. Utilize this opportunity to continue	GD? B. Invite the person to put forw D. All of the above	ard his/her views	٠.
i de la companya de l	C. Make fun of the person 45. A well-crafted and well-practiced Self Introduction helps you	u to B. Do away with fillers like umr	n, well, I guess etc.	10.00
	A Present your first answer with poise and confidence.	D. All of the above	1	
	46. The third branch of phonetics apart is a second of the control	D. None of them		,
	C. Assimilatory Phonetics C. Assimilatory Phonetics about yourself" should be answered	ed with B. Talking about your areas of	of improvement	٠.
	A. Telling about your strengths only C. Talking briefly about your education, industrial training,	co-curricular activities, and w	ork experience	
	D. None of the above. 48. Variation in a language done by native speaker of the l	anguage is called C. Tone	D. None of these	
	A. Dialect 49, Variation in a language by non-native speaker of the language	c. Tone	D. None of these	٠
	A. Accent 50. Impure vowels are called A. Diphthongs B. Monophthongs	C. Both of them	D. None of them	
	Di priprira de			

Director - CDC

594



Career Development Centre "End Semester Examination, Dec'-2022"

	Semester:	3 Subje	ect: Profess	ional compe	tency Enha	ancement	-I	NAME:		••••
	Subject Co	de: CD62	01	Tir	ne: 60 Min	2		Roll No:	CST/ME/EC	Ε
	Max Mark	s: 50		Ot	20/12/3	10.12 S	casion - I	Branch.	negative ma	rking.
	Instruction	ns: All at	estions are	compulsory	. Each que	estion car	ries multiple	options. No	negative ma itten outside	the answer
	Calculator	is not allo	wed. Answe	ers are to be	filled in th	ie answei	table only.	Answers wi	itten outside	
	table won	t he consid	lered.							r
	table won	i be consid								
	Answer T	able:								
			1-	T_	-	6	7	8	9	10
	1	2	3	4	5	16	17	18	19	20
[11	12	13	14	15		27	28	29	30
	21	22	23	24	25	26	37	38	39	40
Ī	31	32	33	34	35	36	_	48	49	50
- 1	41	42	43	44	45	46	47	40		1
_								10 nointe a	nd girls is 3	5 points.
01	There are	36 boys	and 44 girl	s in a class.	The avera	age score	of boys is	to points a	nd girls is 3	, po
Th	en what w	ill be the	average so	ore of the	class?				D]65.78	
Δ1	37 25			B] 2	2.5		C]52.85		DJ65.76	0 numbers
U.S	The avera	age of 15	numbers is	15. If the a	everage of	first five	numbers is	14 and th	at of other	9 numbers
ic 1	6, then fir	nd the mic	idle numb	er.						
					L		C]7		D]11	
~1	The avera	ge age of	five meml	pers is 27. I	f one of th	iem is ex	cluded the	average de	ecreases by	2. The age
U3	excluded p	erson is:								
.1	20			B]25	5		C]35		D]45	
AJ.	Mhatic ti	e largest	4 digit nur	nber exacti	y divisible	by 88?				
	2044			BI 95	956	,	2000		D] 9955	A
AJ:	Which on	of the fo	llowing ca	n't be the s	quare of	a natural	number?			•
	4202AE			BI 12	28248	(.] 128242		D] 128248	
00	In an alar	tion betwe	een two ca	ndidates, c	ne got 55	% of the	total valid	votes, 20%	of the vote	es were
Q6.	In an elec	total num	ber of vot	es was 750	0, the nun	nber of v	alid votes t	hat the oth	ner candida	te got.
		total man								0-4
was				B] 29	900	(3000		D] 5000	
AJ 4	2700	u factors (of 1080 are	perfect sq					-, 2000	
		y ractors t	J, 1000 a.	B]7		(]5		D]6	
A]	4	har to oh	tain 33% o	7	marks to r		•		iled by 40 m	
Q8.	A student	rke are	tain 3370 C	inc total	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Bot 125 iiiu	iks and la	ieu by 40 m	arks. The
	kimum ma	iks are .	O.	750		C]550		DISEO		
A] 5	00	d a corlec				-	the number	D]850		
		or a series,	2/+30+43)TT1	02 13 1312	Cl 12	the number		in the serie	2s?
A]1	5		В	16	,	C] 12		D]10		

		nd H.C.F. of two number	ers are 4107 and 37 respective	ly, then find the greater	•
	number.	01.435	61150	D] 170	_
	AJ 111	B) 135	CJ150	developed of your father	r." How
	Q11.Pointing to a per	rson, a man said to a w	CJ150 oman, "His mother is the only	gaughter or your round	
	was the woman relati	ed to the person r			
	A]Uncle	BJAunt	CJFather	D]Mother	ow many
	Q12. If Ranveer Singh	finds that he is 13th fr	om the right in a line of boys a	and 8th from the left,	
	boys should be includ	led in the line such that	there are 30 boys in the line:	T.	
	A]10	B]19	CJ12	DJ14	nassed
	Q13.Krishna ranked si	ixteenth from the top a	nd twenty ninth from the bot	tom among those who	s were
	an examination. Six be	oys did not participate i	in the competition and five fai	led in it. How many boy	3
	there in the class?				
	A]48	8]55	C)65	DJ51	activ to
	Q14. One morning aft	er sunrise, Suresh was s	standing facing a pole. The sh	adow of the pole lell ex	actif to
	his right. To which dire	ection was he facing?			
ı	A]South	B]North	C]East	D]West	
ı	Q15. Find the logarith	m of 144 to the base 2v	/3	-14	
	A]8	в]9	c]6	D]4	
ı	Q16. The unit digit in t	he product (784 x 618 x	x 917 x 463) is	2-1-	
	A] 2	B]3	C] 4	D] 5	
	Q17. Find the number	of factors of 9321?			
	A] 8	B] 5	C] 7	D] 3	
	Q18. K is 40 m South-V		outh-East of L, then M is in wh	nich direction of K?	7
	A) South	B) East	C] North	D] West	
	Q19. G is the grandfath	er of S. B has only two	sons E and F. A and B are the	only sons of G. Who is	the
	father of S?				
	A] A	B) B	C] E	D]F	
	Q20. If A is the brother	of B; B is the sister of C	; and C is the father of D, how	D is related to A?	
	A] Can't be determined		C] Uncle	D] Aunt	
	Q21. During assembly t	he students are standin	ig in a line. Salman Khan is 21	st in order from both th	he
	ends. How many boys a	re there in the class?			
	A] 40	BJ 41	C] 44	D] 45	
	Q22. If Rocky finds that	he is 31st from the righ	t in a line of boys and 8th fro	m the left, how many b	oovs
	should be included in th	e line such that there a	re 60 boys in the line?		, .
	A] 7	B) 8	C] 20	D] 12	
	Q23. How many 4's are t	there preceded by 7 bu	t not followed by 3?		
	59321742697	7461328741	383256743958;	20187463	
	Al Four	B) Six	Cl Two	01.0	
	Q24. How many such pai	irs of digits are there in	the number 421579368 each	of which has as man	all at a
	between them in the nu	mber as when they are	arranged in ascending order	?	digits
ı	Al One	RI Three	C) Tourn		
(Q25. In a class of 50 stud	ents M is eighth from t	op. H is 20th from bottom. H	OW many start	
ŀ	between M and H?			ow many students are	there
ŧ	AJ 18	BJ 20	C] 21	Dias	,
			-,	D] 22	

Q26.Find the sum of the first 1	O numbers of this arithmetic s	eries: 1, 11, 21, 31	D] 460	
	R1 480	C) 420		
027. If 11th term is 47 and first	t term is 7. What is common d	ifference between their	D) 2	
Δ1 3	B] 4	C] 3	o AP has a total of 13	
A) 3 Q28. The sum of the first 3 terr	ns in an AP is 6 and that of the	last 3 terms is 16. If the	e Ar mos o	
terms, what is the sum of the n	niddle three terms?		D]9	
Al 11	B]10	C]8	cycles 5 km, then	
A] 11 Q29. Priya cycles 5 km North, ti	hen turns East and cycles 4 km	, then turns South and	ocition?	
Q29. Priya cycles 5 km North, to turns to her right and cycles 6 k	(III. Where is she non min	erence to her starting (C]10 km West	ni 10 km East	
Al 2 km Fast	B] 2 km West	C]10 km West	he turns to the left	
A) 2 km East Q30. A man walks 5 km toward		ght. After walking 5 km	from the starting	
Q30. A man walks 5 km toward and walks 4 km. And then he go	oes back 10 km straight. Now i	n which direction is he	1	
place ?			D] West	
Al North-West	B] South	C] East	motivate and guide a	
A] North-West Q31involves t	he development of action plan	n designed in order to	motivate and a	
person or group towards a goal		-1 - 1/	DI Hard work	
		C) Self-awareness	nt feedback and	
A] Decision Q32. Locke and Latham's Goal s	setting theory includes clarity,	challenge, commitmen	11, 100000	
			D] Problem	
A] Complexity	B] Simplicity	C] Difficulty	and .	
and CALART goals abbreviation	stands for specific, measurab	e, achievable, realistic	D] time bound	
Al Aima framod	B) time limit	C] target date	b) time booms	
Q34. If there are no	there is no progress.	C) shallonges	D] problems	
Al dara	B) difficulties	C] challenges	D] problems	
O35 Knowing is the	beginning of all wisdom.	C] himself	DI harself	
		C) nimseli	etment or response is	
A] yourself Q36. Body's reaction to a chang	ge that requires a physical, me	ntal or emotional adju	stillent of response i	3
called·				
A] tension	B] strain	C) stress	of trauma	
A] tension Q37. Fear, anger, loneliness, wo	orry are some of the symptom	C) Pohavioral	D) Emotional	
A] Cognitive	B] Physical	C] Behavioral	D] Emotional	
A] Cognitive Q38stress enabl	es concentration, increases pe	(C) noutral	gizes you.	ē
A. Atabanee	Bleustress	C) neutrai	UJ good	
AJ distress Q39. In ABC strategy A stands fo	or awareness, B is for Balance	C) change		
A] control	B) command	C] change	UJ charge	
Q40. "If your does	s not include yourself, it is inco	omplete . Jack Kornfle	eld .	
A) care	BJ concern	C] compassion	D] empathy	
241. Negative stress results in r	educed effectiveness, loss of i	motivation,	and mental	N.C.
problems and behavioral proble	ms.	(a) iss		
A obvsical	B] emotional			
242. Right frame of mind, right	technique and right	contributes to n	nanaging time better	L.
	•	C] successful	D] distraction	
243. Managing time better incre	eases effectiveness and			
al efficiency	B] order	C) planning	D] productivity	
244. Perfectionism, insecurity, o	lutter, being unorganized cou	ild be the reasons for		
a) delaying tactics	B) stalling	C] procrastination	D] dragging	

and aiming for A) excellence	B] supremacy	C] merit	D) perfection	,
as undinetime in	a better way helps reducing stres	s and increases		•
O46 Handling time in A] creativity	B] problem	C) busyness	D] stress	
Q47	is the first stage of team format	tion. C] forming	D] performing	1
A) storming	B] norming			
Q48 "Humanity to oth	ers", is the English translation of	C] swahii	D) tulu	
A) Ubuntu	B) hakuna matata	ina conflict, overcomit		
Q49 Building bond, cr	eating understanding, trust, resolu	ving conflict, overcomm		
growth together can b	e termed as a		D] troupe	+
A) distance	B) team	C] class	.,	
Q50. Ubuntu means th	nere is no ME without	C1 him	D] them	
Al arou	B) her	C] him	0,000	

Dy. Director CDC



ANAV RACHNA NIVERSITY**/**

Semester: 5	
subject Code:	

Subject: PCE-III Time: 60 Mins

NAME:.... Roll No:....

Max Marks: 50

Scasion - II

St. 14/12/2022

Branch: CST/ME/ECE

Instructions: All questions are compulsory. Each question carries multiple options.

No negative marking. Calculator is not allowed. Answers are to be filled in the answer table only.

Answers written outside the answer table won't be considered.

Answer Table:

								q	10
•	2	3	4	5	6	7	8		
<u> </u>				15	16	17	18	19	20
11	12	13	14	15			28	29	30
21	22	23	24	25	26	27			
			24	35	36	37	38	39	40
31	32	33	34		_	47	48	49	50
11	42	43	44	45	46	4/	40	- 43	

The same of the sa	as it takes 18 seconds for a goods train travelling
1. A man sitting in a train travelling at the rate of 100 km/hr observes that	at it takes to seconds for a Boods transfer
1. A man strong me to the strong strain is 375 m long, fin	nd its speed?
in the opposite direction to pass him. If the goods train is 375 m long, fin	D 25 kmph

- B. 40 kmph
- C. 35 kmph
- D. 36 kmph

2. Two trains, 130 m and 110 m long, are going in the same direction. The faster train takes one minute to pass the other completely. If they are moving in opposite directions, they pass each other completely in 3 seconds. Find the speed of the faster train?

- A. 38 m/s
- B. 46 m/s
- C. 42 m/s
- D. None of these
- 3. Two trains running in opposite directions cross a man standing on the platform in 54 seconds and 34 seconds respectively and they cross each other in 46 seconds. The ratio of their speeds is?
- B. 3:2
- C. 3:4
- D. None of these
- 4. A boat running upstream covers a distance of 10 km in 30 minutes and while running downstream, it covers the same distance in 25 min. What is the speed of the river current (in kmph)?
- B. 2.2 kmph
- C. 2 kmph
- D. Can't say
- 5. Ram goes downstream from one port to another in 4 h. He covers the same distance upstream in 5 h. If the speed of the stream is 2 km/h, find the distance between the two ports?
- A. 50 km
- B. 60 km
- C. 70 km
- D. 80 km
- 6. Two boats, travelling at 7 km/h and 8 km/h, head directly towards each other. They begin at a distance of 20 km from each other. How far apart are they (in km) one minute before they collide?
- B. 1/6 km
- C. 1/4 km
- D. 1/3 km
- 7. At his usual rowing rate, Mohit can travel 12 miles downstream in a certain river in six hours less than it takes him to travel the same distance upstream. But if he could double his usual rowing rate for this 24 mile round trip, the downstream 12 miles would then take only one hour less than the upstream 12 miles. What is the speed of the current in miles per hour?
- B. 4/3
- C. 5/3
- D. 8/3
- 8. A boat's speed in still water is 15 km/h. While river is flowing with a speed of 6 km/h and time taken to cover a certain distance upstream is 2 h more than time taken to cover the same distance downstream. Find the distance?
- A. 30.5 km
- B. 31 km
- C. 31.5 km
- D. 32 km
- 9. To complete a work, A and B take 30 days, B and C take 24 days, and C and A take 20 days. They all start together and work for 5 days after which B and C leave. How many days will A take to finish the remaining work?
- A. 11
- B. 28
- C. 33
- D. 18

10. A can do a job in 20 days, B in 30 days and C in 60 days. If A is helped by B and C every 3rd day. How long will it take for them to complete the job?

A. 12 days

B. 4 days

C. 15 days

D. 18 days

11. If a soldier fires 7 shots from a gun in 12 minutes then find the total number of shots fired by the man in 3/2 hrs.

B. 44

D. 47

12. A woman fills a bucket in 6 minutes. 1845 buckets have to be filled from 8 am. to 9:30 am. How many woman employees should be employed for this task?

A. 111

B. 117

C. 139

D. 123

13. A group of men decided to do a job in 4 days. But since 20 men dropped out every day, the job completed at the end of the 7th day. How many men were there at the beginning?

A. 240

B. 140

D. 150

14. C is twice efficient as A, B takes thrice as many days as C. A takes 12 days to finish the work alone. If they work in pairs (i.e., AB, BC, CA) starting with AB on the first day then BC on the second day and AC on the third and so on, then how many days are required to finish the work?

A. 6 (1/5)

B. 4.5

C. 8

D. 5 (1/9)

15. The work done by a man, a woman and a child is in the ratio of 3:2:1. There are 20 men, 30 women and 36 children in a factory. Their weekly wages amount to Rs 780, which is divided in the ratio of work done by the men, women and children. What will be the wages of 15 men, 21 women and 30 children for 2 weeks?

A. Rs 1170

B. Rs 292.5

C. Rs 585

D. Rs 900

16. P can complete a work in 12 days working 8 hours a day. Q can complete the same work in 8 days working 10 hours a day. If both p and Q work together, working 8 hours a day, in how many days can they complete the work?

B. 61/11

C. 71/11

D. 72/11

Directions (17-21): Study the following table carefully to answer the given questions

Classification of 50 Students based on the marks obtained by them in Quants & Reasoning in Prelim exam

	Mark Out of 100							
Subject	80 and above	70 and above	50 and above	30 and above	0 and above			
Quants	23	28	37	43	50			
Reasoning	12	32	35	39	50			
Average(Aggregate)	15	22	38	40	50			

and The number of students scor	ne less than 30%	marks in aggregate is
A The examples of students scor	ng iess man son	minima in apprehate is

A. 15

B. 2.5

C. 20

D. 10

18. If it is known that at least 20 students were eligible for main exam, then the minimum qualifying marks in Reasoning for eligibility to attend the main exam(Top 20 students only can attend main exam)?

A. 70-80

B. above 80

C. 70-60

D. 50-70

19. The percentage of number of students scored 70% marks in Quants is what percentage of number of students scored 30% marks in aggregate?

A. 60%

B. 70%

C. 50%

D. 75%

20. If at least 50% marks in aggregate are required for interview, how many students will be eligible to attend interview?

A. 50

B. 40

C. 20

	the number (of students passed with	80 as cut-off marks in Quants and 30 as cut-off f marks in aggregate and 50 as cut off in	
21 What is the differen	nt between the number of	accod with 70 as cut-of	f marks in aggregate and 50 as cut off in	
marks in aggregate tog	ether to no of students p	assed with 70 as car of	· /// // // // // // // // // // // // /	
Reasoning?			D. 6	
Reasoning	B. 5	C. 8	D. 6	
A. 11	y the following information	on carefully to answer t	he given questions	
Direction (22-24) State	mpany interview' is written	en as ' 54 260 120 101 3	08'	1
Online tests for it con	erview' is written as ' 54 9	0 120 213'		
'Questions for the inte	riew test' is written as ' 1	56 54 260 90 120'		
Prepare for the Interv	new test is written as 120 30	8 54 210'		
Interview for IT comp	any' is written as ' 120 30	language?	4	
22. What is the code f	or 'test' in the given code	C. 101	D. 308	
A. 120	B. 260	C. 101		
23. 308 is the code fo	r which of the following?	5 Calina	D. for	
A. Interview	B. IT Company	C. Online		
24. What is the code	for 'prepare questions for	test /	D. 156 213 54 260	
	B 260 308 54 120	C. 90 120 101 213	D. 130 110 5	
25. If 3rd December,	1990 is Sunday, What day	is 3rd January 1991	D. Wednesday	
A. Frienday	B. Monday	C. Tuesday	D, Wednesday	
26. What was the da	y of the week on 28th May	, 2006?	D. Tuesday	
	D. Friday	C. WEUITESGE!		
27. On 8th Dec. 2007	Saturday falls. What day	of the week was it on 8th	n Dec, 2000r	
A Saturday	B. Friday	C. Monday	D. Tuesday	
28 A clock is set righ	t at 8 a.m. The clock gains	10 minutes in 24 hours	will be the true time when the clock indicates 1	
p.m. on the following	g day?		n 47 min nort 12	
		C. 45 min. past 12.	D. 47 min. past 12.	
20 Sind the angle be	B. 46 min. past 12. etween the hour hand and	the minute hand of a cic	ock when the time is 3.23	
A. 47.5 degrees	B. 57.5 degrees	C. 45.5 degrees	D. 55.5 degrees	
an An accurate clos	k shows 8 o'clock in the m	orning. Through how ma	y degrees will the hour hand rotate when the	
clock shows 2 o'cloc	k in the afternoon?			
A. 360	В. 180	C. 90	D. 60	
A. 300	on Spanish ships and tow	ns were on a small scale	, Sir Francis Drake achieved pain' s supremacy.	
31. Though the rold	s on Spanish ships and tow I and silver to England's tre	asury and a		
			D. Ineffective	
	for the word in BOLD in th	e following sentences:		
Choose a synonym	all your spending, you'll be	. Drone m		
32. If you don't care	B. Follow	C. Behind	D. Buy	
A. Reduce	lofty expectations for you,	, son! You will attend col	lege, become rich and famous, and be elected as	
33. We have rather	ited States before you turn	forty.		
President of the of	B. Shaky	C. Small	D. Lowly	
A. High	centrate on serious issues	if you keep dragging us	towards the petty issues? D. Happy	
34. How can we co.	B. Healthy	C. Focus	D. Happy	
A. Improved	tions 35-38: Spot the part	of the sentence that con	D. Happy tains an error. Mark option D if there is no error. re given to the chief guest, who	
35. A. A big bouque	et of flowers		-	
C. arrived at the	venue.		error.	
	let on lising		cessories made from leather	
36. A. Why do we	ow that animals suffer beca	ouse of this? D. No	error.	
c when we kin	• • • • • •			



	then a farmer
	B. is considered poorer than a farmer
	at the country.
who owns cows	D. in this part of the edition of the B. are likely to make life miserable
37. A. A farmer who owns cows	B. are likely to
c who owns	D. no error.
as A. Strong William of hurricane Katrina.	25 cents at Bernie's Burger
38. A. Strong winds and heavy rams C. as an aftermath of hurricane Katrina. C. as an aftermath of hurricane Katrina.	an extra 25 cents at Bernie's Burger
chase the correct options.	(uce ies.
C. as an aftermath of the Choose the correct options: Choose the correct options: 39. Every pale tomato slice, wilted pickle, and brown let	D. Had cost.
G. Cost	ed earling these weird muffins.
39. Every pale tornate surplines and surplines are surplines as a cost and surplines are surplines as a cost and surplines are surplines as a cost and surplines are surplines are surplines as a cost and surplines are surplines	ndigestion after eating the
A. Costs C. Hope	D. Had hoped ed D. Had hoped een and purple spots to erupt all over a person's body. D. had caused D. had caused
40. The Smittis, and B. Hope	een and purple spots to erupt an
A. Hopes Martian measles	D. had caused
41. Grandpa claims that the cause	tabo care instructions before washing the
A. causes that she had read	D. had caused the care instructions before washing the delicate and expensive D. would wish
42. Each of these women	D. would wish
J-occos	***
M. wishes B. wish	red?
A. wishes A. wishes Are the modifiers in these sentences correct or misplace Are the plate in front of the diner with the meat, recording to the plate in front of the diner with the meat, recording the plate in front of the diner with the meat	not the vegetables, lacing of these
are the plate in front of the diner with the	D. None of these of the vegetables, of the vegetables, of these of these D. None of these of these of these
B. Misplaced	ort was charged by two frenzies
A. Correct	f shore
44. We had almost	D. None of these
team. B. Misplaced	of had enough money saved from his fire come
A. Correct	D. None of these of these of these of these of these of Can't say D. None of these
45. The computer system and	C. Can't say D. None of these
hill in full.	C. Comme
A. Correct Choose the correct options from the options given bel Choose the correct options from the CEO	ow:
Choose the correct options from the CFO	D. had cheated
C C	neated D. Had Chester
D. 1.5	D. have dancing
C a	re danced D. have dancing
A. are dancing B. is dancing when I arrived at the station	
C h	ad just left D. has just left
48. The train B. is just leaving C. h	post office.
A. is just left two miles before reaching the p	vill had jogged D. will jogged
49. She n will have log	Alli Han JABBaa
A. will have jobbe (work) with us for ten years.	D. does work
g has been working	s working D. does work
A. works	

Director CDC



MANAV RACHNA

Semester: 5	Subject: PDP V Time: 60 Mins	NAME: Roll No:
Subject Code: CDS305B		Branch: FAA/EFB/HCM/BA/GOM

Max Marks: 50 Instructions: All questions are compulsory. Each question carries multiple options.

No negative marking. Answers are to be filled in the answer table only.

Answers written outside the answer table won't be considered.

Answer	Table:					7	2	9	10
Allswei	12	3	4	5	6		10	19	20
1	- 2	12	14	15	16	17	18		30
11	12	13	24	25	26	27	28	29	40
21	22	23		35	36	37	38	39	
31	32	33	34		46	47	48	49	50
41	42	43	44	45	40				

11	1	14			25	26	27	20				
21		22	23	24	35	36	37	38	39	40		
31		32	33	34	45	46	47	48	49	50		
41		42	43	44	45	40						
Choose the correct option in the following 1. In a group discussion, one must communicate with C. Knowledge D. Arrogance												
1.	In a gr	roup discuss	ion , one m	ust commun	iicate with	. Knowledge		D. Arrogance	2			
	A Hor	+ility	В	, Ignorance			•					
2	Which	of these m	ust be avoid	ded in a grou	ip discussio	n 	with clarity	D. Deviating	from the t	opic		
R ASKI				Acking due	estions c. specimis			D. Deviating from the topic				
2	Inag	In a group discussion a person who begins the discu				sion is called	,	D. Moderato	r	7		
		B. Starter			CB							
	Mhich	n of the follo	wing is mor	re interactiv	e and soluti	on oriented				,		
4.	A. Sen					D. Citalic a		m				
						D. Group Dis	cussion					
	C. Lect	cat way to a	noly for a ic	b is to subn	nit a resume	that is						
5.	The best way to apply for a job is to submit a resume that is B. Self-recommending					mending	\$					
	A. Suitable for any job C. Specifically written for a particular job D. Personal information						nformation	ion only				
	The application letter and the resume perform C. The same task C. The same task							D. Two opposite tasks				
6.	The application letter and the Overlapping tasks C. The				C. The same task D. T							
	A. Two different tasks B. Overlapping tasks C. The same task											
7.				long	C. Half a page		D. Three pages long					
	A. On	ie page long		I WO bages								
8.	The c	over letter	is		В.	B. A summary of your qualifications and experiences						
	A. Af	oreword		strongths as	rengths and suitability for the job D. A statement of your job objective							
	C. A	description of	of your core	strengths at	e resume a	ts as a						
9.	A sun	nmary place	d at the beg	ditining or co.	e reading	C. Preface		D. Letter of recommenda				
	A. syl	nopsis	B. Ca	reer objecti	ve	nu should						
10	In an	interview w	hen you do	not know a	C Admi	that you do	not know t	he answer	D. Rema	ain quiet		
			13, 12,		C. Admi	titut jou ac	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
-111	un the	ep guessiis blanks wit	h approprie	te option.	le chanter							
FIII	The to	eacher	c	ompleted th	is chapter.	C. is		D. are		1		
11.	A. ha	ve	D. 1160 2			C. 13		0		i		
	Pam :	and Shyam		business par		C 250		D. had				
12.	Kam	16				C. are		D. Hau				
	A. hav		her office b	y 9 a.m. dal	y.			>bl				
	She _	-1-	B. reache	25		C. reached	1	D. reaching		,		
	A. rea	and his frie	nds	also l	nvited to th			_				
14		and ma	B. was			C. had		D. were				
	A. is									(2O		
										_		

	of flowers	required for th	ie event.		
	H H	nave		D. is	
	A. are	the minimum age to f	ill this form.		
		is	C. has	D. have	
		peen said in the news repo	rts.		
		have	C. has	D. was	
	A. were B.	sses shall	4		
		look	C. looks	D. looked	
	A. looking B. Choose the correct optic				
	10 At the time of interv	iew, jewellery should be ke	pt to a minimun	1	
ì		B. False	C. Can't say	D. None of these	
	20. We should be aware	of all the following groom	ing tips, except fo	or	
l	A. face should be clean				
l	B. brush your teeth and	I have fresh breath			
ł		e best gesture for good imp	pression		
ŀ		ıld be well maintained.			
l		included in your self- introd		D. All of the chave	
l		ation B. Your weakness	C. Your fail	ures D. All of the above	
l	22. Shoes for both men				
l	• • • • • • • • • • • • • • • • • • • •	tion B. Open-toed for con	50 80 50 80		
l			ols, and technique	es used to manage time when accomplis	hing
l	specific tasks, projects,	and goals.			
l		B. False	C. Can't Say		
	24. Which word means-	" the time by which someth	ing must be com	pleted"?	*
		B. Consequence	C. Goal	D. Deadline	
	25. Using a planner or r	naking a "to-do" list every da	ay.		
	A. Is a waste of paper	B. F	lelps keep things	"in sight, in mind	
	C. Takes too long to fill o	out D. M	None of the above	•	
	26. To spend your time	productively, you need to h	nave set some		
	A. Possibilities	B. Ideas	C. Boundar	ries D. Goals	
	27. Efficient time mana	gement includes			
	A. Doing the best tasks	first, and the worst tasks last	t		
	B. Having a very structu	red schedule and not leaving	g any room to be	flexible	
	C. Being flexible				7
	D. Doing the worst task	s first while you're alert and	not tired		•
	28. For a student, time	management in college wou	ıld mean		
	A. You have to learn to	manage your extra time mo	re efficiently.		١
	B. You have limited time	e in hand			
	C. You have too many a	ctivities at a time in hand			1
	D. All of the above are t	rue.			
	29. Using spare time wi	sely includes limiting the tim	e you spend on t	he internet, using a cell phone, etc	9
	A. True	B. False		o prompted	'
	30. What is NOT include	ed in the body language?			
	A. Body movements	B. Listening	C. Gestures	D. Facial expressions	
	31. Body language can	communicate		acidi capi essions	
	A. Feellings	B. Intentions	C. Emotions	D. All of these	
	32. A head positioned f	orward facing someone indic		or vii oi tilese	
	A Interest	B. Superiority C. Di	srespect	D. Disinterest	
	33. What should not be	done at the time of intervie	w?		
	A . Reaching late		B. Misquotin	g facts	
	C. Going unprepared		D. All of the a		

	allo preparing for an interv	riew?		
34. What should you do Wi	nile preparing for an interv	B. Learn the company's	s vision and mission	
i also complant		D. All of the above		
	uestions and answers			
as who should be greeted	I III a Inchary one	C. The Interviewer	D. All of the above	7
- Almmiet	D. The secretary			,
ac When answering inter	view questions, it is importa	ant to	k good D. Misquoting facts	5
n- enerific	B. Be general	C. 3	c good D. Misquoting	,
A. Be specific	ve, the employer is looking	for	11	
37. In every answer you a	time	C. How you will solve their	r problem(s)	1
A. How you will save them	money	D. All of the above		
B. How you will save them	is not a step in the prepara	tion of an interview?		
	B. Identifying your skills	C. Being negative	D. Revising your subject	i .
A. Analyzing Yourself				
39. At the start of an inter	view, you should			
A. Try to find common into	erests.			
B. Look around the office	for things.			
C. Greet the interviewer w	ith a smile.			
D, All of the above		••		
40. While attending the or	nline interview you should n	B. Keep your camera on		
A. Dress casually		B. KEED YOU Camera an	well-lit place and attend	
C. Keep the microphone o	ff	D. Should be sitting at a		
41. Interviews are conver		C. Friendliness	D. Informality	
A. Fun	B. Purpose	C. Friendiness		7
42. Which of these is not	a type of interview?	C. Music interview	D. Lunch interview	
A. Screening interview	B. Stress interview		- 1, -	,
43. The best way to dress	to impress for the interview	r C. A business suit D.I	t doesn't matter what you we	ar
A. Wear jeans and T-shirt	B. Wear a jogging suit wea		(docs.ii (iii.ettes iii.et	
44. Gesture, posture, eye	contact are examples of con	nmunication that is	D. Polite	
A. Verbal	B. Non- verbal	C. Aggresive	2, , 5	
45. "You should be auther	ntic in an interview" means t	o be	D. Realistic	7
A. False	B. Invalid	C. surprising	D, Healiste	
46. Before your interview	in a company you should	C. Research	D. None of the above	
A. Sit Idle	B. Get worked up			
46. Should you answer in	iterview questions in comple	te sentences or give one wo C. Both	D. Neither	
A. Complete sentences	B. One word answers		D. Heliner	
47. Which of the followin	g is not the part of a resume	C .Contact Informatio	on D. Education	
A. Religious affiliation	B. Employment History	stule to use on your resume	?	
48. Which of the followin	g is the satest email address	style to use on your resume	•	
A. lovin _ladies 123@em	amprovider.com			
B. j_smith@emailprovide	er.com			y
C. party all the time@em	iaiiprovider.com			•
D. none of these	e methods is the best to kno	w more about the person ar	nd his/ her fitment for a role?	
49. Which of the following	B. Interview	C. Case Study	D. Survey Method	1
A. Observation	ecide the colour of the belt (f	or men)?	D. Survey Method	,
- Line		G.	0	1
A. always wear black B. the belt should match	the colour of the shoe			
				1
C. the belt should match D. the belt should match	the colour of the tie		11.700	10
D. the belt should that			III	0

Dy. Dilety Scanned with CamScanner



Semester: 5	
Subject Cod	e: CDO303

Subject: Career Skills-II	NAME:
Time: 60 Mins	Roll No:
Date - 17/12/2022	Branch: Phy/Chem/Maths

Date -17/12/2022 Max Marks: 50

nstructions: All questions are compulsory. Each question carries multiple options. No negative marking. Calculator is not allowed. Answers are to be filled in the answer table only.

Answers written outside the answer table won't be considered.

Answer Table:

A. 1 hr

1 2 3 4 5 6 7 5 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 21 22 23 24 25 26 37 38 39 40 21 23 33 34 35 36 37 38 39 40	•						7	8	9	10
11 12 13 14 15 16 17 16 29 30 21 22 23 24 25 26 27 28 29 30 21 22 23 24 25 36 37 38 39 40 30 35 36 37 38 39 40	•	2	3	4	5	6		10	19	20
11 12 23 24 25 26 27 28 23 40 21 21 22 23 34 35 36 37 38 39 40	1	12	13	14	15	16	17			30
21 22 23 24 35 36 37 38 39 40	11	12	133	24	25	26	27			
22 34 35	21	22			35	36	37	38		
31 32 35 45 46 47 48 45	31	32	33		45	46	47	48	49	50
41 42 43 44 45 40	41	42	43	44	45	140				

	E 10 / 10	- In CAO leme in 10 hour	s at uniform speed, then what is the ratio of
1. If a bus travels 320 km	n in 8 hrs and a train tra	avels 640 kms in 10 noon	s at uniform speed, then what is the ratio of
distance travelled by the	em in one hour?		D. 1:2
A O . E	B. 5:8	C. 4:5	D. 1:2
A. 8: 5	ctory 3 minutes late if h	nis speed from his house	of the factory is 5 km/hr. If he walks at a speed of the factory from his house 6?
2. Mohan reaches his to	shor the factory 7 minu	tes early. The distance of	of the factory from his house 6? D. 8 km
of 6 km/hr, then he rea	ches the factory / himse	C. 7 km	D. 8 km
A. 6 km	B. 5 km	instign late by 22 min. b	out if it runs at 30 km/hr it is late by 10 min. only.
3. If a train runs at 20 kg	m/hr, it reaches its dest	mation late by 22 min.	** ***********************************
The correct time for the	e train to complete its jo	Juli licy 151	D. 21 min.
A 44 min	B. 10 min.	C. 19 min.	
A. 14 min. 4. A person crosses a 12	200 m long street in 10	minutes. What is his spe	ed in kmpn r
4. A person crosses a 1	a 7.2 kmph	C. 8.4 kmph	D. 10 kmph
A. 3.6 kmph	b. 7.2 kinpli	runs at a speed of 48 km	ph on an average. The speed at which the train
5. A train covers a dista	ince in 50 minutes, in te	ninte is?	ph on an average. The speed at which the train
run to reduce the	time of journey to 40 to		D 65 kmph
. To beach	B. 60 kmpn	C. 55 M	to look the the part anothird distance with a
a. A constravels the first	one-third of a certain of	listance with a speed of	10 km/hr, the next one-third distance with a m/hr. The average speed of the car for the whole
6. A car travers the and	the last one-third distar	nce with a speed of 60 ki	m/nr. The average speed of the car for the
speed of 20 km/m and			
Journey is?	0 34 kmph	C. 30 kmph	D. 36 kmph
A. 18 kmph	B. 24 kinpi		then travels a distance of 72 km at an average applete the total journey, what is the original speed
7 A train travels at a co	ertain average speed to	if it takes 3 hours to con	nplete the total journey, what is the original speed
rosed of 6 kmph more	than its original speed.	II It takes 5 Hours to com	
total and in kmph?		6	n settemb
of the train in	B. 33 kmph	C. 42 kmph	D. 66 kmph
A. 24 kmpn	an aircraft was slowed o	fown due to bad weathe	er. Its average speed for the trip was reduced by
B. If a flight of 600 km	of flight increased by	30 minutes. The duration	or. Its average speed for the trip was reduced by of the flight is?
200 kmph and the time	n 2 hr	30 minutes. The duration C. 3 hr	D. 4 hr

B. 2 hr

source four succ	cessive 6 km stretches a	t 20 km/hr, 40 km/hr, 6	0 km/hr and 80 km/hr respectively. Its average
g. A car covers road speed over this distance	is?		
speed over this distance	B. 30 kmph	C. 35.5 kmph	D. 40 kmph
A. ZU KINPII		and 54 days respective	ely. M started the work and worked for 8 days, M left the job one day before completion of work.
10. M, N and O can com	iplete the worked to	gether for some days. I	M left the job one day before completion of work.
then N and O joined hir	n and they all worked to	Bether to some cary	•
For how many days the	y all worked together?	c 3	D. 6
A. 4	B. 5	C. 3	ne can do the same work in 12 days, then Biping
11. Paul and Bipin toge	ther can do a piece of w	ork in 8 days. If Paul alor	ne can do the same work in 12 days, then Bipin
alone can do the same	work in?		
		C. 24 days	D. 28 days
12. To complete a wor	k, a person Ram takes 10	days and another person	on Bikas takes 15 days. If they work together, in
how much time will the	ey complete the work?		
		C. 4 days	D. 8 days
13 Two friends Aman	and Raghav working tog	ether can complete an a	ssignment in 4 days. If Aman can do the
assignment alone in 1	2 days, in how many day:	s can Raghav alone do th	C dos.B.
A. 2 days	B. 6 days	C. 4 days	D. 8 days
14 P can do a piece o	f work in 4 days. Q can do	o it in 5 days. With the as	ssistance of R they completed the work in 2 days.
Find in how many day	s can R alone do it?		
A 10 days	B. 20 days	C. 5 days	D. 4 days
15 After working for	6 days, Ashok finds that o	only 1/3 rd of the work has	been done. He employs Ravi who is 60% as he work?
officient as Ashok, Ho	w many days more would	Ravi take to complete t	
A 10 days	B. 10 days	C. 20 days	D. 12 days
16 Three tans A. B ar	nd C can fill a tank in 12, 1	5 and 20 hours respectiv	vely. If A is open all the time and B and C are open
for one hour each alt	ernately, the tank will be	TUII III.	
A 20/3 hours	B. 6 hours	C. 15/2 hours	D. 7 hours
17 A large tanker car	be filled by two pipes A	and B in 60 minutes and	40 minutes respectively. How many minutes will A and B fill it together for the other half?
it take to fill the tank	er from empty state if B is	s used for half the time,	
A. 15 min	B. 20 min	C. 27.5 min	D. 30 min
19 Three pipes A, B a	and C can fill a tank in 6 h	ours. After working at it	together for 2 hours, C is closed and A and B can e to fill the tank?
fill the remaining par	t in 7 hours. The number	of flours taken by e dien	e to fill the tank?
A 10	B. 12	C. 14	D. 16
10 Two pipes can fill	a tank in 25 and 30 minu	tes respectively and a wa	aste pipe can empty 3 gallons per minute. All the ity of the tank is:
three pipes working	together can fill the tank	III 13 IIIIII dees	•
A 250 gallons	B. 450 gallons	C. 120 gallons	D. 150 gallons
20. Two pipes P and	Q can fill a tank in 15 min	utes and 40 minutes resp	pectively. Both the pipes are opened together but fill the tank?
after 4 minutes, pipe	P is turned on. What is t	ine total tillia	D. 20 min 10 sec
A 10 min 10 sec	B. 25 min 20 sec	C. 29 min 20 sec	ANCE weitten in that code?
21 If in a certain lan	guage, COUNSEL is coded	as BITIRAK, now is GUID	ANCE written in that code? D. FOHYZJBB
A OHYFZIBB	B. OFHBIZYB	C. BJZYBHFO	itten as 222029, how is TWELVE written in that
22 If in a certain coo	de, TWENTY is written as a	863985 and ELEVEN IS WI	itten as 323039, how is TWELVE written in that
code?		6 863303	D 220269
A. 203863	8. 368302	C. 863203	eans 'good red rose' and '341' means 'rose and
23. In a certain code	language, '851' means 'g	cweet in that language)
fruit'. Which of the f	Ollowing or Pres	C. 4	D. 5
A. 2	В. 3	C. 7	/
* · · ·			

24 In a certain code I	anguage, 'col tip mot'	means 'singing is apprec	iable', 'mot baj min' means 'dan	cing is good' and 'tip
non hal' means 'singir	ng and dancing', then	, which of the following r	means 'good' in that code langua	ge ?
A Mot	B. Baj	C. Min	D. Nop	
as If DELHI is coded	as CCIDD, how would	you encode BOMBAY?		
A AIMTVT	B. AMIXVS	C. MJXVSU	D. WXYZAX	
26 If in a certain lang	guage, SHIFT is coded a	as RFFBO, which word wo	ould be coded as LKUMB?	12
A MMXOG	B. MLVNC	C. KIVLA	D. MJVLC	
27 In a certain code.	RIPPLE is written as 6	13382 and LIFE is written	as 8192. How is PILLER written	in that code?
A. 318826	B. 318286	C. 618826	D. 338816	
28 If PALAM could b		er 43, what code number	er can be given to SANTACRUZ?	
A. 75	B. 85	C. 120	D. 123	
29 If 'enr tag zog gm		lympic Organising commi	ttee', 'hyto gnr emf' stands for 's	ummer Olympic
games' and 'esm sdr	hyto' stands for 'mod	ern games history', what	would be the code for 'summer'	?
A. hyto	B. gnr	C. emf	D. zog	
COMP.	= 48, then BAT will be			
A. 39	B. 41	C. 44	D. 46	
		of Verb that is in agreen	nent with the subject-	,
	her office by 9 a.m. o			*
A. reach	B. reaches	C. reached	D. reaching	
32. The information	which obtain	ned from the business ov	vnersrelevant to be	included in the
study.				
A. has, is		C. has, have		
33. The student or t	he committee membe	rseveryday an	nd each of the members	most welcome
for that.				
A. write, are	B. write, is		D. write, were	1
34. Shubham as we	ll as his brothers	coming today.		
A. are	B. had been	C. is	D. have been	
35. Prachi is one of	the students who	passed the exam	•	
A. have	B. has	C. had been	D. would have	
Direction (36-39) Cl	hoose the correct answ	ver from the options give	en below-	
36. Why yo	ou should be listening t	o me?		
Aau ealk	B. you are talking	C. do you talk	D. are you talking	
37. You	_ into things and brea	k them. How can someon	e be so clumsy?	
A. are always bump	oing B. always bum	ps C. always bumping		
38.1 w	orking all afternoon. I	have just finished the ass	ignment.	y
A have been	B. had been	C. shall be	D. am	•
39. By the next mor	nth, we shall	the project.	D. bassassassassassas	
A. has completed	B, completing	C. completed	D. have completed	ř.
(40-41) C	hoose the correct sen	lence.		
woke	up, he has already ea	ten breaktast.		1
	he had already eaten	preaklast.		
the distance	en up, he had already :	eaten bicakiast.		
a When I had wok	en up, he has already o	eaten preaklast.		1

41. A Monika likes pl. B. Monika likes playir C. Monika likes playir D. Monika likes to pl. Direction (42-45) Chr	ng Ludo, play carroms, ay Ludo, carroms, oose the correct a	and chess and playing che nswer from the	ss.	ow-	
42. The art studio is s	spacious, pleasant	ly cluttered,	C. and is lit well		
A. and has good light		being well-lit	C. and is lit well	D. and Wen-in	¥
43. For lunch I would	i like	·	D. helied cotatos	s and to fry eggs.	•
A. fried eggs and to bake potatoes.					
C. to fry eggs and bal	ke potatoes.		D. None of the al		
44. A way to avoid m	nisplaced modifier		modifier close to th	e word it modifies.	
A. True	B. False	C. Can't say	D. None		¥.
45. Which word is be	eing modified? H	is costume, which		al, was just a cardboard box.	
A. costume	B. large	C. cardboard	D. origina		
In the following the	questions choose	the word which	best expresses the	meaning of the given word.	4
46. CORPULENT-					
A. Lean	B. Gaunt	C. Emaciated	D. Obese		
47. Brief-					
A. Limited	B. Small	C. Little	D. Short		
48- Alert-					
A. Energetic	B. Watchful	C. Intelligent	D. Observ		
				It is followed by four words o	r phrases. Select
the word or phrase	which is the OPPO	SITE in the mea	ning of the word o	r phrase underlined.	
49. The inhabitants	of the island were	barbarlans.			
A. civilized	B. cruel	C. uncivilized	D. bad		
50. The members th	ought that the tas	k was <u>feasible,</u>			7
A. unfeasible.	B. impossible	C. difficult	D. imprac	ticable	

J. Director CDC

600



DEPARTMENT OF CHEMISTRY **End term Examination January 2023**

		DATE OF EXAM	23-01-2023
SEMESTER	1"	SUBJECT CODE	СНН137
SUBJECT NAME	Environmental Sciences B.Sc. B.Ed./B.A.	SESSION	1
BRANCH	B.Ed.	MAX. MARKS	50
TIME	09:00 AM to 11:00 AM B. SC B Ed B.A. B.Ed		4
PROGRAM	V-mahi O	NAME OF COURSE	Dr Meena Kapahi
NAME OF FACULTY	Dr Meena Kapahi	COORDINATOR ted against each question	

All questions are compulsory. Marks are indicated against each question.

Note: All question		QUESTIONS	MA RK S	ADD RESS ED	BLOOM'S LEVEL	PI
	Q1(A)	In a population pyramid, the vertical axis is represents i. Male population ii. Female population iii. Age groups of population iv. Total number of population	1	CO2	L1	
	Q1(B)	 Choose the correct statement i. Ozone is a pollutant in the stratosphere. ii. Ozone saves us from UV rays in the stratosphere and is a pollutant in our immediate environment iii. CO₂ is responsible for stratospheric ozone layer depletion iv. None of the options 	1	CO2	L2	
PART-A	Q1(C)	Thermal pollution is a kind of i. Water pollution ii. Air pollution iii. Soil pollution iv. None of the above	1	CO2	L1	
	Q1(D)	 i. A large proportion of children in a population is a result of high life expectancy ii. A large proportion of children in a population is a result of high birth rates iii. A large proportion of children in a population is a result of high replacement level iv. A large proportion of children in a population is a result of high death rates 	1		1.2	
	Q1(E)	Which of the following is a renewable source of energy? i. Ocean currents ii. Solar energy	1	CO2	L1	

				l		I I
	- Continues of	iii. Biomass				
1	The State of the last	All of the above		CO4		-
	The Parket of th	Which of the following is not a primary pollutant?		604	1	1 1
		Which of the following is the				
1		: (Wygen				
200		ii. Ground-level ozone				
	Q1(F)	iii. Carbon monoxide			1.2	
- 1	E SHA	iv. Carbon dioxide	1	602	112	
		Assertion: Polythene bags and plastic containers are non-		CO3		
		Assertion: Polythene bags and phastic				
-		biodegradable substances.				
	HIP/ST	biodegradable substances. Reason: They can be broken down by microorganisms in				1 1
-	10.36	natural simple harmless substances. i. Both 'A' and 'R' are true and 'R' is correct				
	Service Service					
TE B	24(6)	explanation of the Assertion. ii. Both 'A' and 'R' are true but 'R' is not correct				
	Q1(G)	ii. Both 'A' and 'R' are true out 's				
		explanation of the Assertion.				
9		iii. 'A' is true but 'R' is false.				
		iv. 'A' is false but 'R' is true.			L1	
		Select the appropriate choice from the (i) - (iv)	1	700	LI	
		An extensive number of chains interlinked in an ecosystem		CO2		
	Bur H	An extensive number of chains intermine				
		forms a:				
	Q1(H)	i. Food chain				
6 7 1		ii. Food web				
1		iii. Carbon cycle	.		L1	
		iv. Nitrogen cycle	1	CO2	LI	
		Botanical garden is an example of:		C02		
200		Botanical garden is an example				
Dig.		(i) Ex-situ conservation	i			
2	Q1(I)	(ii) In-situ conservation (iii) Both of the above	.		L2	
		(iv) None of the above	1	CO2	Du	
	mile Whiteley	(iv) None of the above Which of the following is an example of biotic		COZ		
4531		resource?				
1	Q1(I)	(i) Coal				
	(ULU)	(ii) Crude oil				
3		(iii) Biogas	1		L2	
		(iv) All of the above Briefly explain the structure of an ecosystem. Discuss.	10.179		١.,	
			2.5	CO3	L1	
	Q2	In order to solve/tackle environmental issues and provide		1		1
	THE REAL PROPERTY.	the solutions we require a multidisciplinary approach		604	L3	
7			5	CO4	LS	
PART-B	Q3	What are the necessary actions we should take when floods	_	603	14	
2		10 10	_	CO2	L4	
	Q4	what are the effects of thermal pollution? What measures	2+3			
	Contract of the	I to control water pollition around your	=5	CO3	L1	
	Q5	Differentiate between species diversity and ecological			1.0	1
	200		2.5	CO3	L2	
Sept 10	Q6	diversity.	2.2			
N		How does agriculture run-off effect ecosystems? How does	2+3	con	L1	
RT	Q7	this change move through the food web?	=5	CO2	LI	
	Q/					

,	Q8	What are the causes and effects of global warming?	5	CO3	L3	
No. of London	Q9	Which of the following according to you is the major cause for loss of biodiversity amongst the four main causes of loss of biodiversity (Habitat loss and fragmentation, alien species invasion, over-exploitation and co-extinctions)? Justify your pick.		соз	L3	
	Q10	Explain the ecosystem service. Write any three ecosystem services rendered by the natural ecosystem.	2+3 =5	CO4	L3	
	Q11	What can we infer from the population pyramids? Explain.	2.5	CO4	L2	