**R22** 

Code No: **R22A0001** 

# MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

# (Autonomous Institution – UGC, Govt. of India)

I B.Tech I Semester Supplementary Examinations, August 2023

## English

$(\mathbf{L}\mathbf{C}\mathbf{L},\mathbf{C}\mathbf{S}\mathbf{L},\mathbf{\Pi}\mathbf{C}\mathbf{C}\mathbf{S}\mathbf{L}^{-}\mathbf{C}\mathbf{S})$	
Roll No	

Time:	3 hou	ırs Max. Ma	rks: 60
Note:	This	question paper contains two parts A and B	
	Part	A is compulsory which carries 10 marks and Answer all questions.	
	Part	B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Qu	estions,
	Choo	osing ONE Question from each SECTION and each Question carries 10 marks.	
		PART-A	
		(Write all answers of this PART at one place)	
1	А	Add question tag to the following sentence.	[ <b>1M</b> ]
-		The CM has declared scholarship to all Physically Challenged persons	[===]
	В	Write a word each with the given prefixes.	[1M]
	2	i. De- ii. pre-	[]
	С	Mention 2 synonyms for the word 'incredible'	[ <b>1M</b> ]
	D	Write 2 antonyms for the word 'diverge'.	[1M]
	Е	Give two important points to be followed while writing an email.	[1M]
	F	Define transitive and intransitive Verbs.	[1M]
	G	When is a comma (,) used?	[1M]
	Н	State any two rules of using the Definite Article.	[1M]
	Ι	Choose the correct word from brackets to make the sentence meaningful.	[1M]
		i. Bose discovered/invented high definition Speakers.	
		ii. Medical representative job is not stationery/stationary.	
	J	Correct the following sentence with subject verb agreement.	[1M]
		i. The committee members and the student takes note in the meeting.	
		ii.Idli and sambar are good combination for breakfast.	
		Part B	
2	А	Describe J.K.Rowling's opinion about the importance of imagination.	[5M]
	В	Construct a paragraph on the topic "Measures to be taken to reduce Air	[5M]
		Pollution" in 150 words.	
		OR	
3	А	Illustrate when the following tenses are used with one example sentence.	[5M]
		i. Present Perfect ii. Past Continuous iii. Future Continuous	
	В	What did J.K.Rowling learnt from her past as expressed in her speech at Harvard?	[5M]
		<u>SECTION-II</u>	
4	Α	Which road did the poet Robert Frost take? Why did he chose it? Substantiate.	[5M]
	В	Distinguish Intensive and Extensive Reading? Give two examples each. OR	[5M]
5	А	What does the poet mean by "worn them about the same"? Support your	[5M]
		answer with example from the poem "The Road not taken".	

	В	Develop an Essay on the topic "Engineering Technology help people to a large extent".	[5M]
		SECTION-III	
6	А	Explain how employees find meaning in their work according to Satya Nadella.	[5M]
	В	You are involved in doing a Project at your College. You need equipment such as remote, motor, electrical appliances etc. Draft a requisition letter to the Principal to sanction the required budget. OR	[5M]
7	А	"Our industry doesn't respect tradition-it only respects innovation". Elaborate the answer as explained in "Satya Nadella's Email to His Employees"	[5M]
	В	Write an email to the Manager, Softech Solutions opting for the position of a Trainee Engineer, giving necessary details required for the job. <b>SECTION-IV</b>	[5M]
8	А	Abraham Lincoln proposes a long list of contrasting values to be inculcated in his son by the teacher. What are they? Enumerate.	[5M]
	В	Blanks below are numbered. Each number has got 4 options out of which only one is correct. Choose the correct option and fill the blanks. As a member of Viceroy's Council, Gokhale succeeded1 On March 26,1902, he spoke on the budget and his2was applauded all over the country. Never before 3 was the political history of India such an able, powerful 4made. Even Lord Curjon, who5 stoutly opposed him.	[5M]
		<ol> <li>a. immediately b. rightfully c. immensely d. at once</li> <li>a. debate b. performance c. principles d. idea</li> <li>a. in b. on c. by d. such</li> <li>a. debate b. speech c. sermon d. argument</li> <li>a. frequently b. rarely c. often d. seldom</li> </ol>	
9	A B	<ul><li>Explain "glory in failure and despair in success" according to Lincoln.</li><li>Construct own sentences using the following phrasal verbs.</li><li>i. break into ii. Work out iii. Make up iv. set aside v. cave in</li></ul>	[5M] [5M]
10	А	<b>SECTION-V</b> Elaborate the statement 'A.P.J.Kalam-the Missile man of India' as described	[5M]
	В	Write a letter to the Principal requesting for original certificates in view of passport verification.	[5M]
11	А	What did you learn from the biography of Dr. A.P.j.Abdul Kalam?	[5M]
	В	<ul> <li>Choose the correct word and fill in the blanks in the sentences given below.</li> <li>1. The Rockies are a beautiful (site, sight)</li> <li>2. John Keats is famous for his poetry.(sensual/sensuous)</li> <li>3. End semester Exams are conducted on days.(alternate/alternative)</li> <li>4. My father is a member of Municipal(counsel/council)</li> <li>5. The doctor amputated the part of the limb.(diseased/deceased)</li> </ul>	[5M]

### MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

I B.Tech I Semester Supplementary Examinations, August 2023

### Mathematics-I

Time: 3 hours

Note: This question paper contains two parts A and B

Part A is compulsory which carries 10 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing

ONE Question from each SECTION and each Question carries 10 marks.

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PART-A (10 MARKS)	
(Write all answers of this PART at one place)	

- 1. A) Find the value of k such that the rank of  $\begin{vmatrix} 1 & 2 & 3 \\ 2 & k & 7 \end{vmatrix}$  is 2. [1M]
  - B) Define Hermitian and skew Hermitian matrices. [1M]
  - C) Let a 3x3 matrix A have eigen values 1, 2, -1. Find the trace of the matrix [1M]  $B = A - A^{-1} + A^2$
  - D) Find the matrix of the Q.F  $3x_1^2 + 4x_2^2 x_3^2 + 3x_1x_2$  [1M]
  - E) Find the differential of the function  $f(x, y) = x \cos y y \cos x$  [1M]
  - F) Show that  $\lim_{(x,y)\to(0,0)} \frac{xy}{x^2 + y^2}$  does not exist. [1M]
  - G) Solve  $p^2 5p + 6 = 0$  [1M]
- H) Solve  $xdx + ydy + 2(x^2 + y^2)dx = 0$  [1M]
- I) Find the general solution of D.E  $y^{111} + y^1 = 0$  [1M]
- J) Find P.I of  $(D-2)^3 y = e^{2x}$  [1M]

# PART-B (50 MARKS)

2. a) Reduce the matrix  $\begin{bmatrix} 1 & -1 & 2 & -3 \\ 4 & 1 & 0 & 2 \\ 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 2 \end{bmatrix}$  to normal form and find its rank. [5M] b) Find the values of c

x + y + z = 3; x + 2y + 2z = 6; x + ay + 3z = b have i) No solution ii) a unique solution iii) Infinite solutions

(OR)

3. a) Solve the equations 2x + 2y + 4z = 18; x + 3y + 2z = 13; 3x + y + 3z = 14 using Gauss elimination method. [5M]

b) Solve the system of equations 
$$\begin{bmatrix} 6 & 1 & 2 \\ 1 & 4 & 3 \\ 2 & 1 & 8 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 6 \\ -4 \\ 8 \end{bmatrix}$$
 by Gauss-Seidel Iteration Method. [5M]  
**SECTION-II**  
4. a) Diagonalize  $A = \begin{bmatrix} 1 & 6 & 1 \\ 1 & 2 & 0 \\ 0 & 0 & 3 \end{bmatrix}$  [5M]  
b) If  $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 4 & 5 \\ 3 & 5 & 6 \end{bmatrix}$ , find  $A^{-1}$ , by using Cayley-Hamilton theorem. [5M]  
(OR)

- 5. a) Find the orthogonal transformation which transforms the Q.F  $x^2 + 3y^2 + 3z^2 2yz$  to Canonical form, and also finds its rank, index, signature and nature. [5M]
  - b) If  $A = \begin{bmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & -3 & 3 \end{bmatrix}$ , determine the algebraic and geometric multiplicity of the eigen values of A. [5M]

#### **SECTION-III**

6. a) If 
$$u = f(x - y, y - z, z - x)$$
, then find  $\frac{\partial u}{\partial x} + \frac{\partial u}{\partial y} + \frac{\partial u}{\partial z}$  [5M]  
b) Find  $\frac{\partial(u, v)}{\partial(r, \theta)}$ , if  $u = 2xy, v = x^2 - y^2$  and  $x = r\cos\theta, y = r\sin\theta$  [5M]  
(OR)

7. a) Find the maximum and minimum values of  $f(x, y) = x^3 + 3xy^2 - 15x^2 - 15y^2 + 72x$  [5M] b) Use Taylor's series to expand  $f(x, y) = x^2 + xy + y^2$  in the powers of (x-1) and (y-2)[5M]

### **SECTION-IV**

- 8. a) Solve  $(5x^3 + 12x^2 + 6y^2)dx + 6xydy = 0$  [5M]
  - b) A copper ball is heated to a temperature of  $100^{0}C$ , then at a time t = 0 it is placed in water which is maintained at a temperature of  $30^{0}C$ . At the end of 3 minutes the temperature of the ball is reduced to  $70^{0}C$ . Find the time at which the temperature of the ball drops to  $31^{0}C$ .[5M]

(OR)  
9. a) Solve 
$$p^3 + 2xp^2 - y^2p^2 - 2xy^2p = 0$$
 [5M]  
b) Solve  $(\cos x \cos y - \cot x)dx - (\sin x \sin y)dy = 0$  [5M]  
SECTION-V  
10. Solve  $(D^2 - 2D + 1)y = x^2e^{3x}$  [10M]  
(OR)  
11. a) Solve  $(D^2 + 1)y = \cos x$  [5M]  
b) Solve $(D^2 + a^2)y = \cos x$  [5M]  
with method of variation of parameter. [5M]  
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# MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

### I B.Tech I Semester Supplementary Examinations, August 2023 **Principles of Electrical and Electronics Engineering**

(CSE, CSE-AIML, CSE-DS & B.Tech-AIML)

Roll No											

### Time: 3 hours

1

Note: This question paper contains two parts A and B Part A is compulsory which carries 10 marks and Answer all questions. Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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### **PART-A**

### (Write all answers of this PART at one place)

[1M]
[1M]
[5M]
[5M]

- OR
- 3 Find the current I in the circuit shown in figure below. [5M] А



Explain the Kirchhoff's laws. [5M] В

# **SECTION-II**

- 4 Explain with diagrams, what do you understand by (i) in- phase (ii) А [5M] lagging (iii) leading as applied to sinusoidal ac quantities.
  - Define RMS values, Average values, form factor and peak factor of a В [5M] sinusoidal waveform

**R2**2

Max. Marks: 60

		OR	
5	А	a) Define (1) Phase (2) Phase Angle (3) Frequency (4) Amplitude	[5M]
		(5) True value	
	В	a) A coil having an inductance of 31.8mH is connected to 230V, 50Hz	[5M]
		supply. Calculate (i) the circuit current (ii)phase angle (iii) power factor	
		(iv) power consumed	
_		<u>SECTION-III</u>	
6	А	Write the principle of operation of DC generator.	[5M]
	В	Derive the EMF equation of a DC Generator.	[5M]
		OR	
7	А	Explain the construction and principle of operation of a	[5M]
		transformer in detail.	
	В	A 50Hz single phase transformer has 6600V/400V. Having e.m.f per	[5M]
		turn is 10V and the maximum flux density in the core is 1.6 Tesla. Find	
		the: i) Suitable number of primary and secondary turns	
		ii) Cross sectional area of the core.	
		SECTION-IV	
8	А	Explain the operation of Full wave bridge rectifier with neat	[5M]
		circuit diagram.	
	В	With neat sketches explain the I-V characteristics of PN junction diode.	[5M]
		OR	
9	А	Compare Half wave rectifier, Full wave rectifier and Bridge rectifier in	[5M]
		any four aspects.	
	В	Explain the Operation of NPN Transistor.	[5M]
		SECTION-V	
10		Draw the input and output characteristics of an NPN transistor in CE	[10M]
		Configuration.	
		OR	
11	А	Compare FET & MOSFET with a neat diagram.	[5M]
	В	Explain the Depletion type MOSFET	[5M]

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**R22** 

# MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) I B.Tech I Semester Supplementary Examinations, August 2023 **Programming for Problem Solving** (Common to all branches) **Roll No**

### Time: 3 hours

Max. Marks: 60

Note: This question paper contains two parts A and B Part A is compulsory which carries 10 marks and Answer all questions. Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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### PART-A (10Marks) (Write all answers of this PART at one place)

1	А	List the characteristics of an algorithm.	[1M]
	В	What is Compiler? Why we use in C Program.	[1M]
	С	Write the uses and syntax of continue statement.	[1M]
	D	Explain exit control loop in C.	[1M]
	Е	Define formal parameter.	[1M]
	F	What is the use of printf() and scanf().	[1M]
	G	Define pointers in C.	[1M]
	Н	Explain the use of realloc().	[1M]
	Ι	Write the process of opening and closing a file pointer.	[1M]
	J	Write a note on fprintf() & fscanf().	[1M]
		<u>PART-B ( 50Marks)</u>	
		SECTION-I	
2	А	Draw a flowchart to find a number is Even or Odd.	[5M]
	В	Explain C-Tokens with example.	[5M]
		OR	
3	А	What is a global variable? Explain how it is declared in C Language.	[5M]
	В	What are Relational Operators supported by C Language? Explain with suitable example.	[5M]

### **SECTION-II**

4	А	Write syntax of switch case statement with suitable example.	[5M]
	В	Explain Two dimensional array with its syntax. Write a C program to demonstrate the same.	[5M]
		OR	
5	А	Write a C program to find a given number is Prime number or not.	[5M]
	В	Explain the process of accessing and manipulating elements of an array.	[5M]
		SECTION-III	
6	А	Explain the procedure of parameters passing methods in C program.	[5M]
	В	Write a C program to find Sum of two numbers using function.	[5M]
		OR	
7	А	Write a C program to swap two numbers using call by reference.	[5M]
	В	Write a C program to demonstrate register and extern storage classes.	[5M]
		SECTION-IV	
8	А	Explain with example how Strings are declared, initialized and stored.	[5M]
	В	Write a C program to compare two given strings are same or not.	[5M]
		OR	
9	А	Explain how memory is allocated and de-allocated dynamically.	[5M]
	В	Explain how pointers are initialized in C. What are the advantages and disadvantages of using pointers.	[5M]
		SECTION-V	
10	А	Explain file in C with different modes of working with files.	[5M]
	В	Write a C program to create a binary file.	[5M]
		OR	
11	А	Write a program in C to read an existing file and display the output.	[5M]
	В	Write a program in C to Find the Number of Lines in a Text File.	[5M]

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# MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

I B.Tech I Semester Supplementary Examinations, August 2023

**Applied Physics** 

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(EEE, ECE, IT, AE, CS&IT, CSE-CS & CSE-IOT)										
Roll No										

### Time: 3 hours

Note: This question paper contains two parts A and B Part A is compulsory which carries 10 marks and Answer all questions. Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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# <u>PART-A</u> (Write all answers of this PART at one place)

		(write an answers of this PART at one place)	
1	А	What is population inversion?	[1M]
	В	Define the total internal reflection.	[1M]
	С	What is dual nature of the light?	[1M]
	D	An electron is accelerated by 100V potential, then calculate its	[1M]
		wavelength.	
	E	List out any two assumptions of classical free electron theory.	[1M]
	F	What are drawbacks of quantum free electron theory?	[1M]
	G	List out few applications of LED?	[1M]
	Η	Draw V-I Characteristics diagram of PN Junction diode.	[1M]
	Ι	Define Polarization in dielectrics.	[1M]
	J	Define magnetic permeability.	[1M]
		PART-B( 50 MARKS)	
		<u>SECTION-I</u>	
2	А	Explain the construction and working principle of Ruby laser.	[7M]
	В	With a neat diagram explain construction of optical fiber.	[ <b>3M</b> ]
		OR	
3	А	What is population inversion? Explain its significance in laser systems.	[5M]
	В	What are the Applications of optical fibers.	[5M]
		<u>SECTION-II</u>	
4	А	Write the properties of matter waves.	[4M]
	В	Write a note on G.P Thomson experiment.	[6M]
		OR	
5	А	Derive an expression for energy of particle in one dimensional	[6M]
	_	potential well.	
	В	Explain de-Broglie's hypothesis	[4M]
		SECTION-III	( <b>1</b> ) (2)
6	A	Derive an expression for Density of states	[7M]
	В	Draw E –k diagram. Explain its significance.	[3M]

Max. Marks: 60

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		OK .	
7	А	Describe propagation of an electron in a periodic potential and derive an expression for that	[7M]
	В	Distinguish between classical free electron theory and Quantum free electron theory.	[ <b>3</b> M]
		SECTION-IV	
8	А	Derive an equation for carrier concentration in valency band of intrinsic semiconductor.	[5M]
	В	Distinguish between N –type and P-type semiconductors. OR	[5M]
9	А	Differentiate direct and indirect band gap semiconductors.	[5M]
	В	Describe construction and working principle of Photo diode.	[5M]
		SECTION-V	
10	А	Derive an equation for ionic polarization.	[5M]
	В	Illustrate properties of Soft and Hard magnetic materials.	[5M]
		OR	
11	А	Write the properties of ferro electric materials.	[5M]
	В	Describe characteristics of Ferro and Anti-ferro magnetic materials.	[5M]

OR

## MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

I B.Tech I Semester Supplementary Examinations, August 2023

### **Engineering Chemistry**

(EEE, ECE, IT, AE, CSE-CS & CSE-IOT)										
Roll No										

### Time: 3 hours

1

4

**Note:** This question paper contains two parts A and B

Part A is compulsory which carries 10 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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### <u>PART-A (10MARKS)</u> (Write all answers of this PART at one place)

	А	Write the cell reactions of calomel electrode.	[1M]
	В	Define primary battery and give examples.	[1M]
	С	Distinguish between wet and dry corrosion?	[1M]
	D	Explain why magnesium corrodes faster when it is in contact with copper.	[1M]
	E	Write the structure of PVC and write its important properties.	[1M]
	F	What are Thermosetting plastics? Give examples	[1M]
	G	What are Carbon nanomaterial's? Write one application.	[1M]
	Н	Write the important application of shape memory alloys.	[1M]
	Ι	Write the principle of reverse osmosis?	[1M]
	J	What is caustic embrittlement?	[1M]
		PAERT-B(50 MARKS) SECTION-I	
2	А	What is Standard Electrode Potential? Write the construction and cell reactions of quinhydrone electrode.	[5M]
	В	Explain the construction, cell reactions and uses of Lead acid battery.	[5M]
		OR	
3	А	What are batteries? Describe the construction and cell reactions of Li- ion battery. Give its applications.	[5M]
	В	Define Galvanic cell explain the construction and working of Daniel cell.	[5M]
		SECTION-II	
ļ	А	Describe the electrochemical theory of corrosion by taking the example, rusting of iron. Mention the different types of electrochemical corrosion	[5M]
	В	What is cathodic protection? Explain the impressed current cathodic	[ <b>5M</b> ]

Max. Marks: 60

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		protection.	
5	А	Explain with suitable examples the corrosion due to differential aeration and galvanic corrosion?	[5M]
	В	How is Nickel plating done by electro less plating? Mention the uses of electro less plating.	[5M]
6	А	What is Fiber reinforced plastic. Discuss the advantages of FRP's with examples.	[5M]
	В	Discuss the n & p doping in polyacetylene? What are the advantages of doping? Write the application conducting polymers.	[5M]
7	А	What is condensation polymerization? Write the preparation properties and engineering applications of Nylon -6,6.	[5M]
	В	What are elastomers? Discuss the application of natural rubber. SECTION-IV	[5M]
8	A B	Discuss the sol-gel method of preparation of nano materials. Describe composite materials? Give examples and write their applications	[5M] [5M]
		OR	
9	А	What are nano materials ? Write the industrial and medical applications of nanomaterials	[5M]
	В	What are Peizoelectric materials? Write their applications. SECTION-V	[5M]
10	А	Distinguish the temporary and permanent hardness of water.	[5M]
	В	b) Write the causes and effects of scales and sludges in boiler feed water.	[5M]
11	А	What are Ion exchange resins? Explain the process of softening of hard	[5M]
		water by using ion exchange resins.	
	В	A water sample on analysis gave the following data. $CaSO_4 = 30 \text{ mg/l}, \text{ Mg (HCO}_3)_2 = 24 \text{ mg/l}, \text{ CaCl}_2 = 24 \text{ mg/l}, \text{ HCl} = 50 \text{mg/l}, \text{ KCl} = 10 \text{mg/l}.$ Calculate Temporary, Permanent and Total hardness in degree Clark.	[5M]

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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

I B.Tech I Semester Supplementary Examinations, August 2023 Computer Aided Engineering Graphics (CSE\_CSE-AIML\_CSE-DS & B Tech-AIML)

(CSE, CSE-AINIL, CSE-DS & B. Iecn-AINIL)										
Roll No										

### Time: 3 hours

Max. Marks: 60

**Note:** This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 12 marks.

1	а	SECTION-I Inscribe a polygon of 4 and 6 sides in a circle of 75 mm diameter	Marks [6M]
	b	Divide a 85 mm long straight line into six equal parts. OR	[6M]
2	a	Draw a Pentagon of side 40 mm using general method	[6M]
	b	Draw a circle of 100 mm diameter and divide eight equal parts SECTION-II	[6M]
3		Draw its projections of the following points on a common reference line A. Point C in the HP and 30 mm behind VP. B. Point D is in the VP and 20 mm above HP C. Point E is 30 mm below HP and 40 mm behind VP D. Point F is 20 mm above HP and 30 mm in front of VP E. Point G is in HP and 20 mm behind VP.	[12M]
4		<ul> <li>(i) Draw the projections of a line 70mm long when it is perpendicular to HP and parallel to VP and 15mm in front of VP and 20 mm above HP.</li> <li>(ii) A line 70mm long is perpendicular to VP and parallel to HP and 20mm above it and 30 mm in front of VP. Draw its projections.</li> </ul>	[6M] [6M]
5		A pentagonal plane of side 25 mm has its surface parallel to and 20 mm in front of V.P. Draw its projections, when a side is on HP and inclined at 45° to the H.P and 30° to the V.P	[12M]
6		A hexagonal pyramid, base 25 mm side and axis 50 mm long, has an edge of its base on the ground. Its axis is inclined at 30° to the ground and parallel to the V.P. Draw its projections.	[12M]
7		Draw the isometric view of a pentagonal plane of side 30 mm whose surface is parallel to the V.P and a side parallel to the H.P	[12M]
8		Draw the isometric view of a cone of base 30 mm diameter and axis 60 mm long resting on its base on H.P. and axis is perpendicular to V.P.	[12 M]

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Draw the (i) Front view (ii) Top View (iii) Side view of the Following [12M] Isometric Drawing. Consider all dimensions are in mm



OR Draw the isometric drawing for the following diagram. Consider all

[12 M]



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