P P SAVANI UNIVERSITY

First Semester of B. Id Examination

Jan 2023

SDID1530 Technical Representation Drawing - I

13.01.2023, Friday **Time: 10:00 a.m. To 12:00 p.m.** **Maximum Marks: 40**

Instructions:

1. Write main answer sheet no. in your block report under main supplementary.
2. Read instructions carefully before starting.
3. All construction lines must be clearly visible for drawing based answers.
4. Use proper intensity of lines in drawings. Neatness of drawing and lettering is important.
5. Assume suitable data where necessary.
6. Data given and assumed, in questions must be mentioned in the answers.

			CO	BTL
Q - 1	**Fill in the Blanks:**	**[10]**		
(i)	H.P. means_____		2	1
(ii)	V.P. means_____		2	1
(iii)	A.I.P. means_____		2	1
(iv)	All rays of light are _____ to each other.		2	2
(v)	All rays of light are _____ to the reference plane.		2	2
(vi)	Reference Plane means _____		2	2
(vii)	Projection of Solids is a part of _____ Projection.		2	2
(viii)	S.P. means_____		2	1
(ix)	A.V.P. means_____		2	1
(x)	Reference planes are imaginary, _____ and perpendicular to each other.		2	2
Q - 2	Draw Projections of points A and B, which are 20 & 30 mm away from HP, 40 & 50mm away from VP and 50 & 60 mm away from AVP respectively.	**[05]**	3	3
	OR			
Q - 2	Draw Projections of points C and D, which are 10 & 20 mm away from VP, 35 & 45mm away from HP and 15 & 25 mm away from AVP respectively.	**[05]**	3	3
Q - 3	Draw Projections of a square plane 'ABCD', having its side AB 60mm long, inclined to HP @ 45°, and its surface perpendicular to HP & inclined to VP @ 45°.	**[10]**	3	3
	OR			
Q - 3	Draw Projections of a regular pentagonal plane 'ABCDE', having its side AB 50mm long, inclined to VP @ 30°, and its surface perpendicular to VP & inclined to HP @ 30°.	**[10]**	3	3

Q - 4	Draw projection of a cylinder having 70mm diameter of Base and 100 mm long axis, having its axis inclined to HP @ 60°.	**[15]**	**3**	**3**

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CO : Course Outcome Number BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create