TREETA SIKSHANA SAMITHI TRUST

RV COLLEGE OF ENGINEERING®

(AUTONOMOUS INSTITUTE AFFILIATED TO VTU, BELAGAVI) I Semester B.E. Degree Examination, April/May 2023

COMPUTER AIDED ENGINEERING GRAPHICS -22MECD13/23

(COMMON TO ALL BRANCHES)

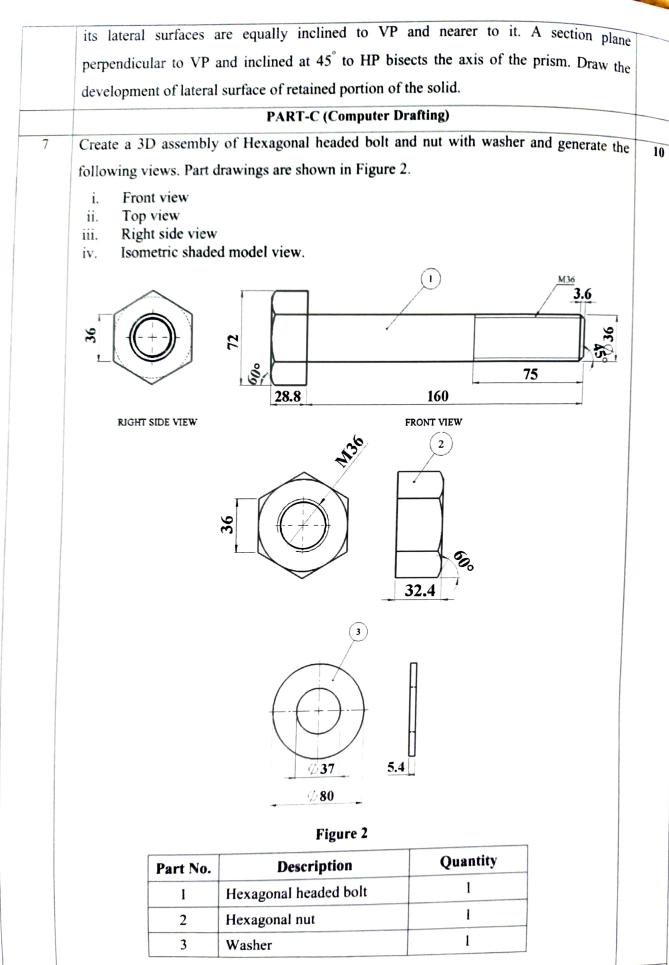
Time: 03 Hours

Maximum Marks: 50

Instructions to candidates:

- 1. Answer ANY TWO questions from Part A-Manual drawing
- 2. Answer ANY TWO questions from Part B-Computer drafting
- 3. Answer ANY ONE question from Part C- Computer drafting

Q.No.	PART-A (Manual Drawing)	Mark
Ĭ	Point A is 30mm in front of VP, 20mm above HP and 25mm infront of LPP. Draw the projections.	5
2	A line AB having one of its end 10mm above HP and 15mm infront of VP is inclined at	5
	30° to HP and 45° to VP. Its top view is 50mm long. Draw the projections of the line and	
	find out its true length.	
3	The hexagonal lamina of 25mm sides resting on one of its corners on HP. The lamina	5
	makes 45° with HP. Draw its front view and top view.	
	PART-B (Computer Drafting)	
4	A square prism of base sides 30mm and 60mm axis length rests on HP on one of its base	15
	edges which is inclined at 30° to VP. Draw its projections when the axis is inclined at 45°	
	to HP.	
5	Create a 3D model of the given part as shown in figure 1. Generate its front view, top view, profile view and isometric shaded view.	15
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	Figure 1 A pentagonal prism of 30mm base edges and 65mm axis length rests on HP with two of	
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