

ABV- Indian Institute of Information Technology & Management, Gwalior

SummerSemester2023

Minor Exam

Course Title: Engineering Design Principles (EE-102)

MM: 25	ration: 2 hours
 Note: Please follow all the <i>Instructions</i> given on the cover page of the answer book. All parts of a question should be answered consecutively. Each answer should start from The question paper has FIVE questions, and all the questions are compulsory. Freehand drawing and incorrect dimensions will lead to deduction of marks. 	a fresh page.
Q.1	[10]
 Briefly discuss types of lettering. Visible outline Continuous thick. (a) Hidden Outlines and Hidden edges	
Q.2 Construct a scale of 1.5 inches = 1 foot to show inches and long enough to measure 2 feet 10 inches on scale.	re upto 4 feet. Mark [2]
Q.3 The area of a field is 50,000 sq m. The length and the breadth of the field, on the many 20 cm respectively. Construct a diagonal scale which can read upto one metre. Mark the metre on the scale. What is the R.F. of the scale?	nap is 25 cm and ne length of 235
Q.4 Draw the front view, top view and side view using first angle projection and thi method for the object shown in Figure 1. Write the difference between first ang projection methods.	rd angle projection le and third angle [5]

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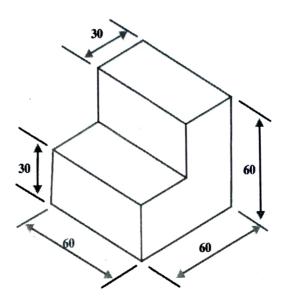


Figure 1

Q.5 Draw the front view, top view and side view using first angle projection of the object (all dimensions are in mm) shown in the Figure 2. [5]

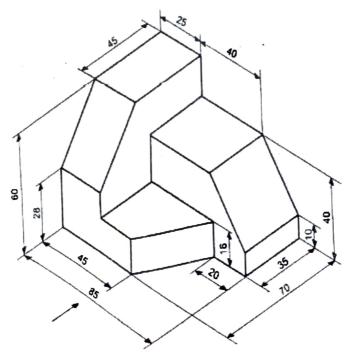


Figure 2