MEC136 ETE notes

Engineering graphics and digital fabrication (Lovely Professional University)

Registration No.:_____

Paper Code: A

Course Code:MEC136

Time Allowed: 03:00hrs. **Max Marks: 70**

Read the following instructions carefully before attempting the question paper.
1. This question paper is divided into two parts A and B.
2. Part A contains 10 questions of 2 marks each. All questions are compulsory.
3. Part B contains 6 questions of 10 marks each. Attempt any 5 questions out of these 6 questions. In case all the 6 questions are attempted then only the first five attempted questions will be evaluated.
4. Answer all questions in serial order.
5. Do not write or mark anything on the question paper except your registration no. on the designated space.

Part-A

Q1.

(a) What are the advantages of RPT?

CO2,L1, [2 marks]

(b) What are the limitations of RPT?

CO2,L1, [2 marks]

(c) Classify rapid prototyping process.

CO2,L1, [2 marks]

(d) What are the materials used in rapid prototyping?

CO5,L4, [2 marks]

(e) List out applications of rapid prototyping

CO5,L4, [2 marks]

(f) Darw the line which is used to show the hidden edge of the object.

CO5,L4, [2 marks]

(g) What is orthographic projection

CO5,L4, [2 marks]

(h) why second angle and fourth angle projections are not used

CO5,L4, [2 marks]

(i) Draw a cutting plane line and for what purpose it is used

CO5,L4, [2 marks]

(j) For drawing section lines which line type is used?

CO5,L4, [2 marks]

Part-B

Q2). Draw the isometric view of a Hexagonal Pyramid having side 30 mm and height of axis of pyramid is 60 mm.

CO1,L2, [10 marks]

Q3). Explain the various phases of Rapid prototyping

CO2,L1, [10 marks]

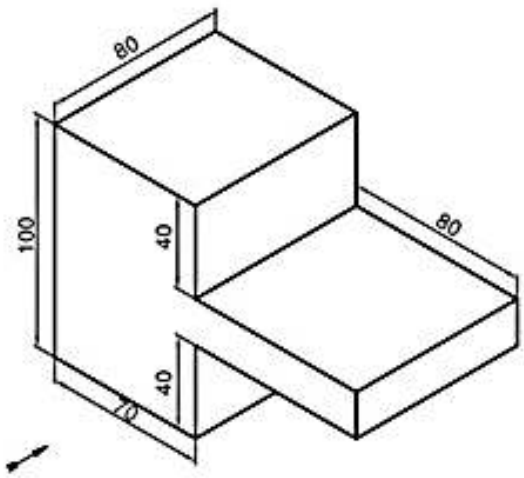
Q4). What is rapid prototyping? Classify the RPT system in detail.

CO1,L2, [10 marks]

Q5). Write 'Computer Science and Engineering' using freehand single-stroke vertical Gothic letters having a height of 10 mm.

CO2,L1, [10 marks]

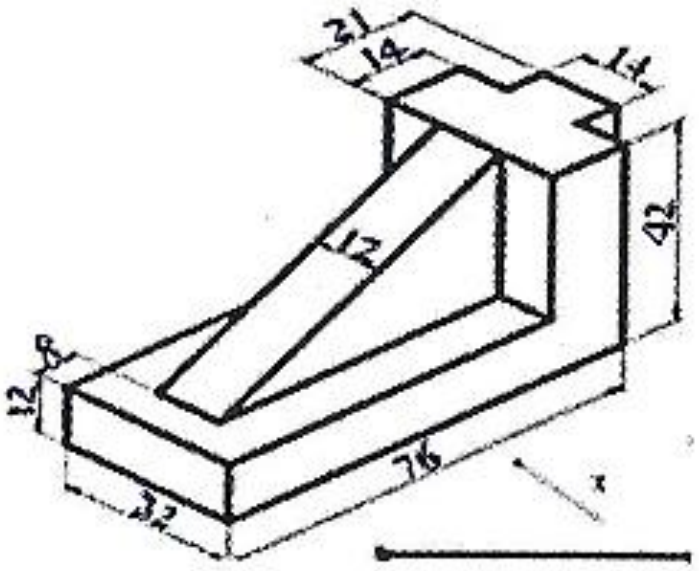
Q6). Draw the Front view and top view of the following figure in first angle projection.Take unit as mm.



CO5,L4, [10 marks]

Registration No.:_____

Q7). For the following object draw the full sectional front view



CO5,L4, [10 marks]

--End of Question paper--