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Question Paper Code:U1101

M.E. DEGREE EXAMINATION, NOV/DEC 2024

First Semester

CAD / CAM

21PCD101-COMPUTER APPLICATIONS IN DESIGN

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Elaborate on the basic requirements that CAD software has to satisfy. CO1-U (20)
Or
(b) Discuss the working of the digital flat panel displays. CO1-U (20)
2. (a) Discuss the characteristics of a Bezier curve. CO1-U (20)
Or
(b) Explain the various types of surface entities. CO1-U (20)
3. (a) List the differences and the similarities between nonlinear sweeps and lofts. CO1-U (20)
Or
(b) Describe about the surface/surface intersection. CO1-U (20)
4. (a) Discuss the effects of shading enhancements in the visualization. CO1-U (20)
Or
(b) Describe about
(i) Z-buffer algorithm
(ii) Warnock's algorithm. CO1-U (20)
5. (a) Discuss in detail about the Tolerance Vs Cost relationship. CO1-U (20)
Or
(b) Express IGES file structure with examples. CO1-U (20)

