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Question Paper Code:U3912

M.E. DEGREE EXAMINATION, NOV 2024

Professional Elective

CAD / CAM

21PCD512–MATERIAL TESTING AND CHARACTERIZATION

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Write about various polarization techniques CO1- U (20)
Or
(b) Explain polishing with suitable diagram CO1- U (20)
2. (a) Explain X-ray diffraction CO2- U (20)
Or
(b) Explain the techniques used in x-ray crystallography. CO2- U (20)
3. (a) Explain various imaging techniques. CO3- U (20)
Or
(b) Explain Electron Probe Microanalysis CO3- U (20)
4. (a) Explain various types of test to find the hardness of material. CO4- U (20)
Or
(b) Explain the Micro Hardness Test with suitable diagram. CO4- U (20)
5. (a) Explain LM parameters CO5- U (20)
Or
(b) What are the application of dynamic test and explain in detail. CO5- U (20)

