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Question Paper Code: 97001

M.E. DEGREE EXAMINATION, NOV 2019

First Semester

Structural Engineering

19PGM701- RESEARCH METHODOLOGY AND IPR

(Regulation 2019)

(Common to COS , CAD / CAM , PED and CSE)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Explain the steps involved in the research process with neat sketch. CO1- U (20)
Or
(b) Give a detailed explanation about developing a hypothesis. CO1- U (20)
2. (a) Explain about the role of statistics in data analysis. CO2- U (20)
Or
(b) Explain various sources of obtaining data for the selected research problem. CO2- U (20)
3. (a) Assume a research topic of your choice and give the complete format of its research report. CO3-App (20)
Or
(b) As a researcher interested in waste management, you are required to write a project proposal on collection and reuse of plastic waste in your city. Outline your project proposal highlighting the research design and methods. CO3-App (20)
4. (a) Describe the structure and content of a patent document in general. CO4- U (20)
Or
(b) Discuss some of the important considerations when commercializing intellectual property. CO4- U (20)

5. (a) Write short notes on International Patent protection. Describe the advantages of International Patent Law. CO5- U (20)

Or

- (b) Narrate the steps involved in obtaining protection for a geographical indication. How long does it take to protect a geographical indication through registration? CO5- U (20)