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Total No. of Pages : 02

Total No. of Questions : 08

M.Tech.(CSE Engg.)/ECE (Wireless Communication)/(ECE)/(Electrical Power System)/(EE)/(Emb. Sys.)/(EPDT)/(VLSID) (2018 Batch) (Sem.-1)

RESEARCH METHODOLOGY AND IPR

Subject Code : MTRM-101-18

M.Code : 75161

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

- Q1) a) What is meant by Research? Briefly describe the primary and secondary sources of a research problem.
- b) Discuss the criteria characteristics of a good research problem. Also, outline the types of errors being made while selecting a research problem by taking a case study.
- Q2) a) What are the various methods of data collection? Discuss in detail the interpretation methods and necessary instrumentations for collected data.
- b) Explain in detail the format and its headings/subsections (*i.e.*, from Title to References) of writing a research report.
- Q3) a) Justify that a comprehensive and detailed literature review is essential component of research methodology. Discuss about cross-sectional study and its benefit.
- b) Explain the benefits of effective technical writing focusing upon major sections to be included in a report or research paper.
- Q4) Write short notes on following in context of research :
- a) Research ethics
- b) Analysis Plagiarism





- Q5) a) Discuss the complete step-by-step process of patenting and development.
- b) Briefly outline various terms and conditions that are to be necessarily satisfied by an invention so that it can become patentable.
- Q6) a) Discuss the benefits of geographical indications and methods to obtain geographical indications of patent rights.
- b) Explain the different process, procedures and documents associated in trademark and copyright. Draw a rough figure to explain.
- Q7) a) *"TRIPS agreement governs and protect the IPR in global countries, sometimes it critiqued by some situations"* - How do you judge this statement? Give example illustration.
- b) Describe the role and functions of WTO in establishing the IPR practices by world countries with the help of real examples.
- Q8) Explain the following :
- a) Role of Patents and Industrial Design in Technology Transfer
- b) Patenting under PCT

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

