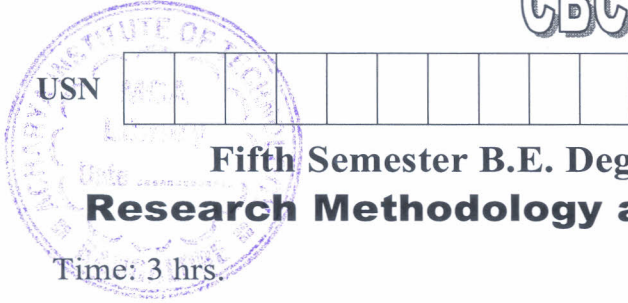


CBCS SCHEME



21RMI56

Fifth Semester B.E. Degree Examination, June/July 2024
Research Methodology and Intellectual Property Rights

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Identify the meaning of Research and brief out the objectives and motivation in Engineering Research. (10 Marks)
b. Identify the steps to find the "Solve a worthwhile problem". (10 Marks)

OR

- 2 a. Identify the types of Engineering Research and briefly explain them. (10 Marks)
b. Identify the ethical issues related to authorship and brief out them. (10 Marks)

Module-2

- 3 a. Identify the essence of new and existing knowledge and explain briefly. (10 Marks)
b. Identify how search operators are used to narrow down the search results. (10 Marks)

OR

- 4 a. Identify the impacts of title and keywords on citation. (10 Marks)
b. Identify acknowledgement and attributions in research process and briefly explain. (10 Marks)

Module-3

- 5 a. Define Intellectual Property (IP). Explain the major types of IP. (10 Marks)
b. Identify the process of patenting. Briefly explain. (10 Marks)

OR

- 6 a. Explain briefly the Commercialization of a patent. (10 Marks)
b. What are the exclusions (product and processes) that cannot be patented? Explain. (10 Marks)

Module-4

- 7 a. Explain the classes or types of copyrights. (10 Marks)
b. What is a Trademark? Explain the symbols in TM. (10 Marks)

OR

- 8 a. What are the advantages "the registration of a trademark provides to the proprietor"? (10 Marks)
b. Identify process of Trademark registration and explain briefly the classification of TM. (10 Marks)

Module-5

- 9 a. Define Industrial design. Briefly explain acts and laws to govern Industrial design. (10 Marks)
b. Identify procedure for registration of Industrial design by taking example of Aple Inc Vs Samsung Electronics Co. (10 Marks)

OR

- 10 a. Define Geographical Identification (GI) and briefly explain acts, laws and rules pertaining to GI. (10 Marks)
b. Identify IP Organizations in INDIA. Explain schemes and programs for Intellectual Property Rights. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.