

M.C.A. DEGREE EXAMINATIONS, JANUARY 2022.

First Semester

RM 4151 — RESEARCH METHODOLOGY AND IPR

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the characteristics of a good research problem.
2. State the various sources of secondary data collection methods.
3. Mention the four different scales of measurement used in research.
4. What are the data presentation tools?
5. What are common forms of plagiarisms in research reports?
6. List the items of main body of typical thesis.
7. List any two common rules of Intellectual Property Rights (IPR) practices.
8. What is Trademark?
9. Mention any two objectives of patenting.
10. How can industrial designs be protected?

PART B — (5 × 13 = 65 marks)

11. (a) (i) Elaborate on common errors committed by researchers in selecting the research problem. (7)
(ii) What are the various means of conducting literature survey in modern times? (6)

Or

- (b) Give a detailed account on various approaches adopted by researchers in solving problems stated by them.

12. (a) Enumerate the different methods of collecting data. Which one is the most suitable for conducting enquiry regarding mass vaccination programme in India? Explain its merits and demerits.

Or

- (b) (i) Examine the merits and limitations of the observation method in collecting material. Illustrate your answer with suitable examples. (7)

- (ii) Explain various sources of obtaining data for the selected research problem. (6)

13. (a) (i) Explain the significance of a research report and narrate the various steps involved in writing such a report. (7)

- (ii) Write a brief note on different types of analysis of data pointing out the significance of each. (6)

Or

- (b) Explain the technique and importance of oral presentation of research findings. Is only oral presentation sufficient? If not, why?

14. (a) What is Intellectual Property Rights (IPR)? What are the different types of IPR? Explain who is benefitted from each type of IPR and how?

Or

- (b) What is trade secret? Give any famous example of trade secret. Why are trade secrets so significant and what is the negative aspect of trade secret? Explain in brief the historical perspective of trade secret.

15. (a) (i) What is a Patent? What are the criteria of patentability? (7)
- (ii) Who are patent agents? Write about the registration of patent agents. (6)

Or

- (b) (i) What kind of information is presented in a typical patent document? (7)

- (ii) Describe briefly how the online patent data is organized. (6)

PART C — (1 × 15 = 15 marks)

16. (a) Give your understanding of a good research design. Is single research design suitable in all research studies? Justify.

Or

- (b) Hypothetically you are setting a new cold drink manufacturing company with new and innovative machineries and recipes. You plan to use your knowledge of Intellectual Property Rights (IPR) to safeguard your new company from old big shot companies as well as new budding companies. Describe in detail, what all rights you will register and how you will benefit out of it.