

Code: 21F00109

MCA I Semester Supplementary Examinations July 2024
RESEARCH METHODOLOGY AND IPR
(Master of Computer Applications)

Time: 3 hours

Max. Marks: 60

Answer all the questions

- 1 (a) What is a Research Problem? 4M
(b) Explain scope and objectives of research problem. 8M
- OR**
- 2 (a) What are the various approaches of finding the solution for a research problem? Explain. 6M
(b) Write a short note on: 6M
(i) Data Analysis
(ii) Interpretation
- 3 (a) What are common forms of plagiarisms in research reports? 6M
(b) Explain the components and format of a research report. 6M
- OR**
- 4 (a) What is technical writing? Explain the fundamentals of a effective technical writing. 6M
(b) Discuss the factors will be considered during presentation and assessment by a review committee of a research proposal. 6M
- 5 (a) What is Industrial Design? 4M
(b) Discuss the essentials for registration of industrial design. 8M
- OR**
- 6 (a) Explain various international treaties protecting intellectual property. 6M
(b) Explain the steps involved in grants of patent. 6M
- 7 (a) Describe briefly how the online patent data is organized. 6M
(b) Explain how various countries worldwide organizing and maintaining patent database. 6M
- OR**
- 8 (a) List at least 10 geographical indications tagged products in India. 6M
(b) What do you mean by technology transfer? Explain the steps involved in technology transfer. 6M
- 9 (a) What is the role of IPR in Bioinformatics? Explain. 6M
(b) Explain the patent administration and management procedures. 6M
- OR**
- 10 (a) Explain the new development global wide in IPR. 6M
(b) What is the role of IPR in protecting computer software's? Discuss. 6M

Code: 21F00109

MCA I Semester Regular & Supplementary Examinations February 2024

RESEARCH METHODOLOGY AND IPR

(Master of Computer Applications)

Time: 3 hours

Max. Marks: 60

Answer all the questions

- 1 (a) What is a Research Problem? 4M
(b) Explain the characteristics of good research problem. 8M
OR
- 2 (a) What is Data Collection? Explain its Significance. 4M
(b) What are the various methods of collecting primary data? Explain them along with their merits and demerits. 8M
- 3 (a) In a report what information is given by "Proposal"? What are the various categories of reports? Explain them in brief. 6M
(b) Explain the significance of a research report. 6M
OR
- 4 (a) Discuss the various steps involved in writing a research report. 6M
(b) Write a short note on:
(i) Plagiarism,
(ii) Research Ethics. 6M
- 5 (a) What is an Intellectual Property Rights? 6M
(b) Write a short note on:
(i) Patent,
(ii) Trade Marks. 6M
OR
- 6 (a) What is a Copy Right? 4M
(b) Explain types of works protected under copy right. 8M
- 7 (a) Examine the scope of patent rights in a developing country like India. 6M
(b) Write a brief note on licencing and transfer of technology. 6M
OR
- 8 (a) What is a Geographical Indication? What is a "generic" geographical indication? 6M
(b) Identify the sources of patent information and databases. 6M
- 9 (a) What are the current issues on Intellectual property Rights? Explain them in detail. 6M
(b) What are the issues in administration of patents? Discuss. 6M
OR
- 10 (a) Discuss any one case studies on patents, copyright and related rights. 6M
(b) Elaborate on new developments in IPR. 6M

Code: 21F00109

MCA I Semester Regular & Supplementary Examinations March 2023
RESEARCH METHODOLOGY & IPR
 (For students admitted in 2021 & 2022 only)

Time: 3 hours

Max. Marks: 80

Answer all the questions

- 1 (a) How do you define research? What are the criteria for good research? 6M
 (b) What are the approaches of investigations solutions for a research problem? 6M
 OR
- 2 (a) What is the Importance of research methodology? Compare research methods vs Research methodology? 6M
 (b) Discuss in brief steps in research process? 6M
- 3 (a) What are the effective literature studies approaches in research methodology? 6M
 (b) What is literature review? What is the importance of writing literature review? 6M
 OR
- 4 (a) What is mean by plagiarism in research methodology? Ho to avoid plagiarism? 6M
 (b) What research ethics we need to follow? Discuss in detail? 6M
- 5 (a) What is Intellectual Property? Why promote and protect Intellectual Property? 6M
 (b) What is a Patent? What are the criteria of patentability? 6M
 OR
- 6 (a) What is a trademark? How to select a good trademark? 6M
 (b) What is Innovation? Elucidate various type of innovation. 6M
- 7 (a) What is a Geographical Indication? What is a "generic" geographical indication? 6M
 (b) What types of Inventions are not patentable in India? 6M
 OR
- 8 (a) Explain about patents and transfer of Licence technology? 6M
 (b) Describe briefly how the online patent data is organized? 6M
- 9 (a) What is Novelty Search? Discuss novel developments in IPR? 6M
 (b) What are the limitations of IP based protection for Traditional Knowledge? 6M
 OR
- 10 (a) Discuss IPR of biological systems. Explain with examples? 6M
 (b) Explain any one traditional knowledge case studies? 6M
