



ST JOSEPH ENGINEERING COLLEGE, MANGALURU

An Autonomous Institution

Fifth Semester B.E. Degree (Autonomous) Examinations Mar/Apr-2024

USN:

21RMI507

Duration: 3 Hrs

Maximum Marks: 100

RESEARCH METHODOLOGY AND INTELLECTUAL PROPERTY RIGHTS

Note:

1. **Part-A** is mandatory.
2. Answer any five full questions from **Part-B** choosing at least one from each module.
3. Missing data may be suitably assumed.

PART-A

| Q.No. | Question | | | | BL | CO | PO | Marks |
|-------|---|--|----|--|----|----|----|-------|
| 1 | Which of the following is not a type of research..... | | | | 1 | 1 | 2 | 1 |
| | a) | Fundamental research | b) | Current research | | | | |
| | c) | Analytical research | d) | Applied research | | | | |
| 2 | Your colleague is confused about using the marketing research process, as he knows that something is wrong but is not sure of the specific causes to investigate. He seems to be having problems with _____, which is often the hardest step to take. | | | | 3 | 1 | 2 | 1 |
| | a) | Developing the research plan | b) | Determining a research approach | | | | |
| | c) | Defining the problem and research objectives | d) | Selecting a research agency | | | | |
| 3 | List any four principles of research ethics. | | | | 1 | 2 | 8 | 2 |
| 4 | Which section of a research paper outlines the specific aims or objectives of the study? | | | | 2 | 2 | 6 | 1 |
| | a) | Abstract | b) | Introduction | | | | |
| | c) | Methodology | d) | Conclusion | | | | |
| 5 | Which of the following statement is not true- | | | | 2 | 2 | 2 | 1 |
| | a) | Results and discussions follow materials and methods | b) | Both results and discussions can be written separately | | | | |
| | c) | References should be the latest one, preferably | d) | You can criticize any previous study if it contrasts yours | | | | |
| 6 | What information should be included in the budget section of a research proposal? | | | | 2 | 2 | 6 | 2 |
| 7 | The use of information and ideas protected by IPR are of | | | | 2 | 3 | 6 | 1 |
| | a) | Cultural values | b) | Social value | | | | |
| | c) | Commercial value | d) | Moral value | | | | |
| 8 | Which among the following is closely associated with IPR? | | | | 1 | 3 | 6 | 1 |

| Q.No. | Question | | | | BL | CO | PO | Marks |
|-------|--|--|----|-------------------|----|----|----|-------|
| | a) | GATS | b) | TRIMS | | | | |
| | c) | TRIPS | d) | MFN | | | | |
| 9 | List the criteria for patentability. | | | | 2 | 4 | 6 | 2 |
| 10 | Under which type of agreement royalty is paid on the basis of sale? | | | | 2 | 5 | 6 | 1 |
| | a) | Mining | b) | Patent | | | | |
| | c) | Copy right | d) | Licensing | | | | |
| 11 | If a person uses someone’s song as background music in his/her music video, then could it be an example of | | | | 3 | 5 | 6 | 1 |
| | a) | Copyright impingement | b) | Hacking | | | | |
| | c) | Identity theft | d) | None of the above | | | | |
| 12 | What is the distinction between trade mark and certification mark? | | | | 2 | 5 | 6 | 2 |
| 13 | Who can register Geographical Indication? | | | | 2 | 6 | 6 | 1 |
| | a) | Individual | b) | Company | | | | |
| | c) | Producers | d) | None of these | | | | |
| 14 | The Protection of Plant Varieties and Farmers' Rights Act was enacted in | | | | 1 | 6 | 6 | 1 |
| | a) | 2021 | b) | 2001 | | | | |
| | c) | 1971 | d) | 1991 | | | | |
| 15 | List the 4 conditions for registrations of new plant variety. | | | | 2 | 6 | 6 | 2 |
| | PART-B | | | | | | | |
| | Module-1 | | | | | | | |
| 1 | a) | What do you mean by Research? Explain its significance in Engineering. | | | 2 | 1 | 2 | 08 |
| | b) | Discuss the criteria for good Research. | | | 2 | 1 | 12 | 08 |
| | OR | | | | | | | |
| 2 | a) | Describe how you will avoid plagiarism in your ‘Assignment’ submissions. | | | 3 | 2 | 8 | 08 |
| | b) | Discuss at least four different ways used to identify the research gaps. | | | 2 | 1 | 2 | 08 |
| | Module-2 | | | | | | | |
| 3 | a) | Explain briefly the steps involved in writing research papers with the help of a flow chart. | | | 2 | 2 | 10 | 08 |
| | b) | Discuss briefly the different sections in IMRaD style of writing research article. | | | 2 | 2 | 2 | 08 |
| | OR | | | | | | | |
| 4 | a) | What do you mean by Thesis Writing? Explain the components of Thesis. | | | 2 | 2 | 2 | 08 |
| | b) | Discuss the preliminary requirements for research proposal writing. | | | 2 | 2 | 10 | 08 |
| | Module-3 | | | | | | | |

| Q.No. | Question | | BL | CO | PO | Marks |
|-----------------|----------|---|----|----|----|-------|
| 5 | a) | Explain briefly, the role of Intellectual Property as an effective instrument of Development. | 2 | 3 | 6 | 08 |
| | b) | Discuss the objectives and salient features of National IPR Policy 2016 in India. | 2 | 3 | 6 | 08 |
| OR | | | | | | |
| 6 | a) | Explain with a flow chart the patent granting procedure in India | 2 | 4 | 10 | 08 |
| | b) | Explain the salient features of Indian Patent Act 1970. | 2 | 4 | 6 | 08 |
| Module-4 | | | | | | |
| 7 | a) | Briefly Explain: (i) Remedies available to a copyright owner when his copyright is infringed and (ii) Terms of copyright | 2 | 5 | 6 | 08 |
| | b) | Enumerate the functions of the copyright board. | 2 | 5 | 6 | 08 |
| OR | | | | | | |
| 8 | a) | Enumerate the salient features of Trade Marks Rules 2017. | 2 | 5 | 6 | 08 |
| | b) | List the exclusive rights conferred by the registration of the Trade Mark on the registered proprietor. | 2 | 5 | 6 | 08 |
| Module-5 | | | | | | |
| 9 | a) | What is an Industrial Design? Discuss the need for protection of Industrial Designs as IP in India. | 2 | 6 | 6 | 08 |
| | b) | Discuss the procedure for registration of geographical indications with a neat flow chart. | 2 | 6 | 10 | 08 |
| OR | | | | | | |
| 10 | a) | Discuss the salient features of the Bio-diversity Act 2002. | 2 | 6 | 6 | 08 |
| | b) | Discuss the Procedure for Registration of Layout design under the Semi-Conductor Integrated Circuits Layout-Design Act, 2000. | 2 | 6 | 10 | 08 |

