



ST JOSEPH ENGINEERING COLLEGE, MANGALURU

An Autonomous Institution

QUESTION BANK

Subject with Code: Research Methodology and IPR

(22RMI57)

Branch: CSE

Sem: V

MODULE 1

Sample Multiple Choice Questions

1. The research is always –
 - a. verifying the knowledge b. exploring new knowledge c. filling the gap between knowledge d. all of these
2. The research which is exploring new facts through the study of the past is called
 - a. Philosophical research b. Historical research c. Mythological research d. Content analysis
3. A statement of the quantitative research question should:
 - a. Extend the statement of purpose by specifying exactly the questions the researcher will address b. Help the research in selecting appropriate participants, research methods, measures, and materials c. Specify the variables of interest d. All the above
4. Which of the following is the first step in starting the research process?
 - a. Searching sources of information to locate the problem b. Survey of related literature c. Searching for solutions to the problem d. Identification of the problem
5. Choose the best answer. A literature review
 - a. Conducted after you have decided upon your research question b. Helps in the formulation of your research aim and research question c. Is the last thing to be written in your research report d. Is not part of a research proposal
6. Which of the following is a literature management tool?
 - a. EndNote b. Turnitin c. Copyscape d. Viper
7. The impact factor is NOT
 - a. Author metric b. Journal metric c. Calculated in 2, 3 or 5-years basis d. helpful in journal targeting
8. Which journal metric tracks citations of the last two years?
 - a. CiteScore b. Impact Factor c. H5 index d. Article Influence

9. There has been a steep rise in plagiarism due to
- a. Increase in publication growth
 - b. Increase in enrolment for research work
 - c. Availability of digital documents
 - d. Use of computers in research

Short Answer Type Questions

1. State any two objectives of Research.
2. Distinguish between qualitative and quantitative Research.
3. Write short note on Ex post facto research.
4. What do you mean by Research Methods and Research Methodology?
5. What do you understand by Sample Design in the Research Process?
6. List any 3 components of Research Design.
7. Give few examples of Tertiary Sources used in Literature Review.
8. What do you mean by Impact factor of journals?
9. Define h-index as author level metric.
10. Name any 4 plagiarism detection tools.
11. How can you ensure that your research report is free from plagiarism before submission?

Descriptive type Questions

1. What do you mean by Research? Explain its significance in Engineering.
2. Explain any 4 basic types of Research.
3. Briefly describe the different steps involved in a research process.
4. Discuss the criteria for good Research.
5. Research is much concerned with proper findings, analysis and evaluation. Do you agree with this statement? Give reasons in support of your answer.
6. List and explain the steps involved in the literature review process.
7. What do you mean by Plagiarism? Explain at least 5 key practices to help prevent plagiarism.
8. What are the primary goals of conducting a literature review in academic research?
9. Describe how you will avoid plagiarism in your assignment submissions.
10. Give a detailed account on various approaches adopted by researchers in solving problems stated by them.

11. Write a note on Author Metrics and Journal Metrics.

MODULE 2

Sample Multiple Choice Questions

1. Which section of a research paper outlines the specific aims or objectives of the study?
 - a). Abstract b). Introduction c). Methodology
2. What does the "methods" section of a research paper primarily describe?
 - a). The findings and results of the study b). The theoretical framework used in the research c). The statistical analysis conducted d). The procedures and techniques employed in the research
3. What is the function of the "discussion" section in a research paper?
 - a). To provide a summary of the main points b). To introduce the research topic c). To interpret and analyze the results d). To list the limitations of the study
4. What should the "references" section of a research paper contain?
 - a). Personal opinions related to the topic b). Citations of all sources used in the paper c). Only primary sources but no secondary sources d). Random facts about the research area d). Conclusion
5. What is the significance of the "Literature Review" section in a thesis?
 - a). To introduce the research topic b). To summarize the entire thesis c). To provide background information and review existing research on the topic d). To list the references used in the thesis
6. Which of the following statement is not true-
 - 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
7. What does the "Significance/Justification" section in a research proposal focus on?
 - a). Outlining the limitations of the study b). Providing background information on the topic c). Explaining the relevance and importance of the proposed research d). Listing references used in the proposal
8. Which statement describes the purpose of a research proposal?
 - a. It is an overall plan, structure and strategy designed to obtain answers to the research questions. b. A document for scientific scrutiny for others to judge the appropriateness of the project. c. A reference document to show how the research was carried out. d. All of the above
9. The proposal should start with _____.

a. Sampling technique. b. An overview of the main area under study. c. The proposed structure of the report. d. A time frame of the proposed research

10. Which of the following is not a function of a research proposal of a study?

a. What answers have been found to what is proposed. b. What is proposed to be done in a study. c. How answers will be found to what is proposed. d. Why proposed strategies of investigation are selected

Short Answer Type Questions

1. Define a research paper briefly.
2. What role does the literature review play in a research paper?
3. Explain the role of proper referencing in a research paper.
4. Define the function of the methodology section in a thesis.

Descriptive type Questions

1. State and explain at least 8 key reasons why writing research papers is important.
2. Explain briefly the steps involved in writing research papers with the help of a flow chart.
3. Discuss briefly the different sections in the IMRaD style of writing research article.
4. Assume a research topic of your choice and give the complete format of its research report.
5. Compare between SYNOPSIS and ABSTRACT in Thesis Writing.
6. What do you mean by Thesis Writing? Explain briefly the typical components of a Thesis.
7. Briefly explain the common types of research projects.
8. Discuss the preliminary requirements for research proposal writing.
9. Briefly explain the different standard heads in research proposal writing.
10. How do you prepare your project presentation? What are the basic elements of a research proposal?
11. Lucidly present the stages for preparation of a research report.
12. Explain essential features of report writing highlighting the importance and implication of research outcomes.
