

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FIRST SEMESTER M.TECH DEGREE EXAMINATION (Regular), FEBRUARY 2022*(Same for all Discipline)***(2021 Scheme)****Course Code :** 21GN100**Course Name:** Research Methodology**Max. Marks :** 60**Duration: 3 Hours****PART A***(Answer all questions. Each question carries 3 marks)*

1. List any three differences between research methods and research methodology.
2. Define research problem. State the components of research problem.
3. Compare qualitative and quantitative research design.
4. Enumerate the different methods of collecting data. Which one is the most suitable for conducting enquiry regarding family welfare programme in India.?
5. Define the term bibliography.
6. Enlist the difference between bibliography and references.
7. List the various types of oral presentation.
8. Compare MS Word and LaTeX.

PART B*(Answer one full question from each module, each question carries 6 marks)***MODULE I**

9. a) List the different types of research. Differentiate between an experiment and a survey. (3)
- b) Differentiate copy right, patent and trademarks. (3)

OR

10. a) Define plagiarism. Give examples for common types of plagiarism. (3)
- b) Define citation in research. Illustrate the relationship between impact factor and citation. (3)

MODULE II

11. Illustrate the important steps in formulating research problem. (6)

OR

12. Define Literature review. Enlist the purpose of Literature review in research. (6)

MODULE III

13. Illustrate any three types of research design methods with example. (6)

OR

14. Identify the features of a good research design, Is single research design suitable in all research studies. If not, why? (6)

MODULE IV

15. Distinguish between primary and secondary data. Why is it important to obtain secondary data before primary data? (6)

OR

16. Examine the merits and limitations of the observation method in collecting material. Illustrate your answer with suitable examples. (6)

MODULE V

17. Mention the different types of report, particularly pointing out the difference between a technical report and a popular report. (6)

OR

18. Briefly explain the structure and components of a typical technical paper. What is the difference between abstract and conclusion in a research paper? (6)

MODULE VI

19. Why are communication skills important in research? Justify your answer with examples. (6)

OR

20. Explain the techniques of oral presentation of research findings. Is only oral presentation sufficient? If not, why? (6)
