

Paper Pattern – Research Methodology

2 Qs

Each question has two parts

- (a) Objectives (8 marks)
- (b) Theory Question (7 marks)

Theory Questions (7 marks):

Give examples from either from AI or Data Science or Cyber Security or Cloud Computing while explaining the following questions

- (i) Explain the role of originality while doing the research for completing the project.
- (ii) State and explain 6 Ps of Research by giving appropriate examples
- (iii) By giving appropriate examples explain (i) different categories of Research (ii) reasons for doing research
- (iv) State and explain the Research purposes and their expected outcomes.
- (v) Explain the notion of Originality, Gain, Knowledge and Understanding while doing research for completing the project.
- (vi) What are research designs? Explain any two research designs by taking appropriate examples.
- (vii) What are different perspectives used in survey methodology? Describe different methods of evaluating research survey questions.
- (viii) What is a Quantitative Data and Qualitative Data Analysis? Explain by taking appropriate examples. What are different approaches of Qualitative Data Analysis?
- (ix) Why it is important to publish your research work? What are different types of research publications? Explain any one type of research publication.
- (x) State and explain the role of ethics in Research.
- (xi) Why there is need for coding the data? Explain process of Data Coding.
- (xii) State the modern quantitative data analysis tools used for researching in computing or business research and explain any one by taking an appropriate example.
- (xiii) What are measurement and scales? Give a brief account of classification of scaling techniques.
- (xiv) What are different types of research publications? Explain different steps followed in writing a Research Report by taking an example of a research case study or project.
- (xv) Explain the notion of measurements by giving appropriate examples.