

POKHARA UNIVERSITY

Level: Bachelor

Semester: Fall

Year : 2024

Programme: BE

Full Marks : 100

Course: Research Fundamentals

Pass Marks : 45

Time : 3 hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

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| 1. | a) | What do you mean by research? Explain its significance in the field of Computer Science and Engineering. | 7 |
| | b) | What are the 6 P's of the Research? Explain. | 8 |
| 2. | a) | Briefly describe the different steps involved in a research process. | 7 |
| | b) | What are the objectives of conducting a literature review in research? Describe the process of conducting a systematic literature review. | 8 |
| 3. | a) | Define plagiarism in the context of academic research and discuss its consequences. | 7 |
| | b) | What is the importance of data visualization in quantitative research? Explain any four data visualization techniques. | 8 |

OR

Discuss any two strategies of data generation in detail.

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| 4. | a) | Explain the responsibilities of an ethical researcher during research conduction. | 8 |
| | b) | Who are the Research Participants? Why understanding of legal aspect of research is important? Explain in detail. | 7 |
| 5. | a) | How does a well-written proposal contribute to the success of a research project? Explain in detail. | 7 |
| | b) | Why is Research Proposal needed? Elaborate the things that are mentioned in the Methodology section of Research Proposal. | 8 |
| 6. | a) | What information should be include while writing an Abstract of a research paper? | 7 |

OR

Define a research report and explain why it is an essential part of the research process.

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| b) | Illustrate the way of writing citations and references in IEEE style with examples. | 8 |
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7. Write short notes on: (**Any two**)

- a) Action Research
- b) Ethnography
- c) Descriptive Research

2×5