

POKHARA ENGINEERING COLLEGE
INTERNAL ASSESSMENT

Level: Bachelor	Semester – Spring	Year : 2023
Programme: B.E. Computer		Full Marks: 100
Course: Research Fundamentals		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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| 1a. Why do we need research? Explain the types of research. | 8 |
| b. What are the types of research question? How do you ensure data validity and reliability? | 7 |
| 2a. Differentiate between project and research. Explain 6P's in research. | 7 |
| b. A call for application has been announced for a research proposal submission to the university students. Write a draft of research proposal with suitable components. | 8 |
| 3a. Suppose you are performing a literature review for a study. What are the considerations required for proper literature review? | 8 |
| b. Describe different citation styles with suitable examples. | 7 |
| 4a. Define plagiarism. What are the different types of data generation methods. | 8 |
| b. Define research problem. How do you select a good research problem? | 7 |
| 5a. What is qualitative data? How do you analyse the qualitative data? | 8 |
| b. Who are the participants in research? Explain the responsibilities of an ethical researcher? | 7 |
| 6a. What is research report? What are the components of research report? | 8 |
| b. Explain scientific research process. | 7 |
| 7. Write Short notes on: (Any Two) 10 | |
| a. Informed Consent | |
| b. Characteristics of good research title | |
| c. Research hypothesis | |