

2016

M.Phil.

1st Semester Examination

LIFE SCIENCE

PAPER—LSC-111

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Group—A

1. Answer *any four* questions from the following : 4×2
- (a) What do you mean by fabrication in research ?
 - (b) Define concept.
 - (c) What is a research design ?
 - (d) What do you mean by Single Group experimental research ?

- (e) What is meant by 'methodology' ?
- (f) Write the indicators of a good quality research paper.

Group—B

2. Answer *any four* question from the following : 4×4
- (a) Define quasi experiment research. Illustrate quasi experiment research with an example. 1+3
- (b) What are the basic types of research design ? 2+2
- (c) What do you mean by sampling ? Why probability sampling is more valid than non-probability sampling ? 2+2
- (d) Write the importance of literature review for project proposal formulation. 4
- (e) 'Plagiarism in research is essential'—How far the statement is true, justify ? 4
- (f) Write in brief about ethics in research as CPCSEA guideline. 4

Group—C

3. Define *any two* of the following terms : 2×8
- (a) Write the criteria of a good hypothesis. Describe the standard format of a research report. 3+5

- (b) Write the dependent and independent variables with example. Discuss various methods of data collection in random sampling. 3+5
- (c) Describe in brief about qualitative and quantitative research with example. Write advantages and limitation of qualitative research. 4+(2+2)
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