

2018

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 : 4×2
- (a) Cite the significance of impact factor of a journal.
 - (b) What is plagiarism checker ?
 - (c) What is meant by literature review ?
 - (d) What is a-priori-hypothesis in research ?
 - (e) 'Feasibility of selection of a research problem is essential' — Justify the statement.
 - (f) What is meant by literature review ?

(Turn Over)

Group-B

2. Answer any *four* questions : 4×4
- (a) Identify and describe the basic steps involved in designing a research problem. 2+1+1
 - (b) Write the characteristics of quantitative research stating its advantages and disadvantages. 2+1+1
 - (c) Define and explain *h*-Index of an author with graphical analysis.
 - (d) Define data processing with reference to its operations including validation, editing, coding and classification.
 - (e) 'Ethics is the integral part of research' — Justify the statement with special emphasis on clinical research.
 - (f) What do you understand by peer-reviewed ? Discuss the guidelines for structuring the literature review. 2+3

Group-C

3. Answer any *two* questions : 2×8
- (a) What are the different types of research misconduct ? Define self-plagiarism. Discuss briefly about the guidelines set to avoid self-plagiarism. What is paraphrasing in research ? 2+2+3+1
 - (b) Write down the steps adopted for data collection in experimental on laboratory-based research. 'Data analysis modulates the information' — Justify the statement. 4+4
 - (c) Describe the general guidelines for writing 'Literature review'. Critically write for organization of 'literature review'. 5+3