

B.Pharm.
(SEM-VIII) THEORY EXAMINATION 2018-19
RESEARCH METHODOLOGY

*Time: 3 Hours**Total Marks: 70***Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt *all* questions in brief. 2 x 7 = 14**
- (a) Define meaning research.
 - (b) Define primary and secondary data.
 - (c) Define documentation.
 - (d) Define research hypothesis.
 - (e) Define errors.
 - (f) Define research ethics.
 - (g) Define plagiarism.

SECTION B

- 2. Attempt any *three* of the following: 7 x 3 = 21**
- (a) Define research design with various methods.
 - (b) Explain different methods of literature survey.
 - (c) Define types of data and method of data collection.
 - (d) Explain structure and organization of research report.
 - (e) Explain ethical consideration during animal experimentation including CPCSEA guideline.

SECTION C

- 3. Attempt any *one* part of the following: 7 x 1 = 7**
- (a) Define online resource such as scientific search engine in literature survey.
 - (b) Define research problem with steps involved in research process.
- 4. Attempt any *one* part of the following: 7 x 1 = 7**
- (a) Explain data processing and analysis strategies.
 - (b) Explain parametric and nonparametric in hypothesis testing.
- 5. Attempt any *one* part of the following: 7 x 1 = 7**
- (a) Explain structure and organization of review article.
 - (b) Define research ethics with impact of research on environment and society.
- 6. Attempt any *one* part of the following: 7 x 1 = 7**
- (a) Explain plagiarism and use of plagiarism detection software with example.
 - (b) Explain method of cost analysis of the project.
- 7. Attempt any *one* part of the following: 7 x 1 = 7**
- (a) Explain various research funding agencies along with their function.
 - (b) Explain writing a research project and procurement of research grant.