Printed Pages: 01 **Sub Code:BOP485E**

Paper Id: **150224** **Roll No.** | | | | | | | | | | |

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.

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