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B PHARM.
(SEM VIII) THEORY EXAMINATION 2017-18
RESEARCH METHODOLOGY

Time: 3 Hours

Total Marks: 100

Note: attempt all the Sections.

SECTION A

1. Attempt all questions in brief. 2 x 10 = 20

- a) Define research methodology.
- b) Differentiate parametric and non-parametric tests.
- c) What do you mean by literature survey?
- d) What is SPSS?
- e) Define impact factor and rating.
- f) What is the interview method of research?
- g) Define intellectual ownership.
- h) What is responsibility and accountability of the researchers?
- i) Give the full form of DST, CSIR and UGC.
- j) Briefly describe academia-industry and research.

SECTION B

2. Attempt any three of the following: 10 x 3 = 30

- a) What is research problem? Discuss the different steps involve in research process.
- b) Enumerate the different methods of collecting data with example.
- c) What is technical writing of research? Explain types of research report.
- d) Define plagiarism. Discuss the softwares used in plagiarism detection.
- e) Write a note on research funding agencies and its functions in India.

SECTION C

3. Attempt any two parts of the following: 5 x 2 = 10

- a) What are the techniques involved in defining a research problem.
- b) Discuss the use of statistical software's in data analysis.
- c) Discuss the guidelines of CPCSEA.

4. Attempt any one part of the following: 10 x 1 = 10

- a) Write a note on project cost management.
- b) Describe important concepts relating to research design.

5. Attempt any one part of the following: 10 x 1 = 10

- a) What is testing of hypothesis? Explain how it is useful for illustrating a research problem with example.
- b) What are the important steps of data preparation process?

6. Attempt any one part of the following: 10 x 1 = 10

- a) Explain the use of reference managing softwares.
- b) What is research ethics? Discuss about commercialization of research.

7. Attempt any one part of the following: 10 x 1 = 10

- a) Give a note on research grant and procurement of research grant.
- b) Discuss the computer programs in literature survey with example.