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Paper Id: 150809 Roll No: | | | | | | | | | | |

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 x10 = 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 responsihility and accountability of the researchers?
i) Give the full form of DST, CSIR and UGC.
j) Briefiy 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 researeh? 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.

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