

**B.Sc. IN RADIATION THERAPY TECHNOLOGY
(BRTT)**

Term-End Examination

December, 2014

**BAHI-045 : BASICS OF RESEARCH
METHODOLOGY AND BIO-STATISTICS**

Time : 3 hours

Maximum Marks : 70

Note : *PART-A : Answer **any five** questions. Each question carries 7 marks.*

*PART-B : Answer **any five** questions. Each question carries 7 marks.*

PART - A

Answer **any five** questions :

7x5=35

1. Differentiate between Qualitative and Quantitative research designs.
2. Describe in brief Historical survey for Radiotherapy with fast neutrons.
3. What is sampling ? Describe various types of sampling methods.
4. Explain **any two** of the following :
 - (a) Power Analysis
 - (b) Summarization
 - (c) Presentation

5. Write short notes on **any two** of the following :
- (a) Frequency Distribution
 - (b) Writing Research Report
 - (c) Pilot Study
6. Discuss the factors which influence sampling process ?
7. Develop a Questionnaire for collecting information from population suffering from Breast Cancer.

PART - B

8. Write short notes on **any five** of the following :
- (a) Random sampling 7x5=35
 - (b) Multi variate Analysis
 - (c) Statistical packages and its application
 - (d) How to communicate the Research Findings
 - (e) Review of Published Data
 - (f) Uses of statistics in Medical Sciences
 - (g) Graphical Presentation of Data
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