

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

**Term-End Examination**

00193

**December, 2016**

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

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt any seven questions. All questions carry equal marks.*

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1. Describe the various methods of data collection. 10
2. What is Sampling ? Describe in brief different Sampling Techniques. 10
3. Explain the differences between Qualitative and Quantitative Designs. 10
4. Explain the following : 10
  - (a) Tabulation
  - (b) Presentation
  - (c) Summarization
5. Describe in brief the Historical Survey for Radio therapy with fast neutrons. 10

6. Develop a questionnaire for collecting information from a population suffering from Breast Cancer. 10
7. What are statistical packages and their different applications? 10
8. Write short notes on any *two* of the following :  $2 \times 5 = 10$
- (a) Pilot Study
  - (b) Multi-Variate Analysis
  - (c) Writing Research Report
  - (d) Random Sampling
  - (e) Coefficient of Correlation
  - (f) Factors Influencing Sampling
  - (g) Validity and Reliability of Instrument
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