

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

Term-End Examination

June, 2016

00496

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

Time : 3 hours

Maximum Marks : 70

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

1. What is Sampling ? Describe the various sampling criteria. 10
2. Explain the following : 10
 - (a) Compilation
 - (b) Summarization
 - (c) Interpretation of data
3. Develop a questionnaire for collecting information from a population suffering from lung cancer. 10
4. Write in detail about Pilot Study and Data Collection Procedures. 10

5. What is a frequency distribution and how will you do graphical presentation of data ? 10
6. Define Bio-statistics. Describe the uses of statistics in Medical Science. 10
7. Describe the differentiating points between Qualitative and Quantitative Research Designs. 10
8. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Utilization of Research Findings
 - (b) Review of Published Data
 - (c) Multivariate Analysis
 - (d) Random Sampling
 - (e) Coefficient of Correlation
 - (f) How to Communicate Research Findings
 - (g) Data Collection Methods
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