

00271

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

**Term-End Examination**

**December, 2017**

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

*Time : 3 hours*

*Maximum Marks : 70*

- Note :*
- (i) *Attempt any six questions.*
  - (ii) *Q.No. 8 is compulsory.*

1. Discuss Qualitative and Quantitative statistical designs with suitable examples. 4+4=8
2. Define Sampling. Enumerate types of Sampling Techniques and discuss any one of them in detail. 2+2+4=8
3. Define Data. How does it differ from Information. Discuss in detail data collection instruments. 2+2+4=8
4. Discuss summation, presentation and interpretation of data with suitable examples. 2+2+4=8
5. Define statistics. Discuss in detail application of Bio-statistics. 2+6=8
6. Explain normal probability and discuss in detail tests of significance. 2+6=8

7. Define Verbal Report. Discuss in detail communication of research findings.  $2+6=8$
8. Write short notes on any five of the following :  $5 \times 6 = 30$
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| (a) Sampling Criteria                    | 6 |
| (b) Data Collection Procedure            | 6 |
| (c) Mean and Median                      | 6 |
| (d) Standard Deviation                   | 6 |
| (e) Uses of Statistics                   | 6 |
| (f) Factors influencing sampling process | 6 |
| (g) Utilisation of Research findings     | 6 |
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