

[AHS 0321]

MARCH 2021

Sub. Code: 2474

(AUGUST 2020 EXAM SESSION)

BACHELOR IN PROSTHETICS AND ORTHOTICS**THIRD YEAR (Regulation 2017-2018)****PAPER IV – RESEARCH METHODOLOGY AND BIO STATISTICS*****Q.P. Code : 802474*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Data collection form experiments and Surveys.
2. Testing of Hypothesis.
3. Measurements and scaling techniques: Measurement scales and sources of error in measurement.

II. Write notes on:**(8 x 5 = 40)**

1. Need for Sampling.
2. Types of analysis of data.
3. Criteria for selecting sampling procedure.
4. Definition of Statistics/Biostatistics.
5. Tabular presentation of data.
6. Construction of Frequency distribution.
7. Histogram.
8. Types of Research.

III. Short answers on:**(10 x 3 = 30)**

1. Meaning of research.
2. Statement of research.
3. Method of collecting primary data.
4. Quantitative variable with example.
5. Application of Biostatistics.
6. Ogives or Cumulative frequency curves.
7. Bar diagrams and Pie diagrams.
8. Necessity of defining the problem
9. Types of sampling.
10. Exclusive and inclusive method of classification of Data.
