

[AHS 0321]

MARCH 2021

Sub. Code: 2604

(AUGUST 2020 EXAM SESSION)

B.Sc. RESPIRATORY THERAPY

FIRST YEAR (Regulation 2014-2015)

PAPER IV – BIO STATISTICS AND PHYSICS

Q.P. Code : 802604

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define the normally distributed and non-normally distributed data briefly note the specific test for the each data.
2. Discuss the anticipation of the data and the types of the probability with the example.
3. Various methods of sampling technique.

II. Write Notes on:

(8 x 5 = 40)

1. Research question and the formation of research question.
2. Critical area and critical region with its significance.
3. Confidence Interval.
4. Types of Error
5. Testing of hypothesis.
6. Regression.
7. Sample size.
8. Odds ratio and Risk ratio.

III. Short Answers on:

(10 x 3 = 30)

1. Interquartile range.
2. Mean, Median, Mode.
3. Standard deviation and standard error
4. Correlation.
5. Skewness.
6. Rate, ratio, proportion.
7. Coefficient of variance.
8. P value.
9. Parametric test.
10. Significance of biostatistics in research.
