

DIPLOMA IN MEDICAL RECORD SCIENCE
FRIST YEAR
PAPER III – GENERAL STATISTICS AND BIOSTATISTICS

Q.P. Code: 841303

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Discuss the sources of hospital statistics and bring out their relative merits.
2. What are the measures of central tendency? How are they calculated?
3. Write on the procedure of testing of significance between two means of large samples.

II. Write notes on:

(10 x 5 = 50)

1. Forming of frequency distribution.
2. Bar diagram and Histogram.
3. Measures of variation.
4. It is known that 90% of records are complete in all details. If a random sample of 2 records is taken what is the probability that (a) one record is complete and the other is incomplete (b) both are complete and (c) both are incomplete?
5. Stratified sampling.
6. Correlation and Regression.
7. Test of Association.
8. Bed Occupation Rate and its uses.
9. Analysis of Hospital Services and Discharges.
10. Uses and limitations of Hospital Statistics.

III. Short answers on:

(10 x 2 = 20)

1. Define Biostatistics.
2. Pie diagram.
3. Line diagram.
4. Calculate the Coefficient of variation using the following.
Mean = 2.2, Standard Deviation=4.4.
5. Probability.
6. Population and Sample.
7. Sample Size.
8. Systematic Sampling.
9. Daily ward census.
10. P value.
