

Q.P. Code: 404326

Reg. no.:

Fourth Year Pharm D Degree Examinations, July 2017

Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Discuss the application of computers in community pharmacy.
2. Explain the various measures of central tendency and spread (dispersion) with examples
3. Briefly explain the different types of observational studies.

Short notes:

(8x5=40)

4. Explain the construction and labelling of pie chart and histogram.
5. Parametric tests.
6. Explain the importance of incidence, prevalence and relative risk with examples.
7. Case reports and case series.
8. Describe the characteristics of normal distribution with the help of a diagram.
9. The applications and general steps involved in the calculation of linear regression.
10. Explain the calculation and interpretation of confidence interval.
11. The applications and steps involved in the calculation of Pearson's correlation.
