

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS
APRIL – 2019
BIostatISTICS

15CPMB4B

Time : 3 Hours

Max. Marks: 75

SECTION – A (5 x 6 = 30)

Answer ALL the questions.

1. (a) Explain briefly about the applications of Biostatistics in life science.
(Or)
(b) Write short notes on (i) Histogram (ii) Pie diagram and (iii) Ogive curves.

2. (a) Write a short note on standard deviation and emphasis on the formula.
(Or)
(b) Write short notes on (i) Range (ii) Mean deviation and (iii) Percentile.

3. (a) Explain about positive and negative correlation.
(Or)
(b) Give an account on Regression with suitable example.

4. (a) Explain Binomial and Poisson distribution with few examples.
(Or)
(b) What is Probability? Add a note on types of event and sample space.

5. (a) Write a note on different types of errors in testing of hypothesis.
(Or)
(b) Emphasis about the different types of ANOVA and their applications in research field.

SECTION – B (3 x 15 = 45)

Answer any THREE of the following questions.

6. Explain in detail about the different types of data collection methods and their applications in life science.
7. Write a detailed account on measures of central tendency with suitable examples.
8. Discuss about Karl Pearson's Coefficient of correlation and its applications.
9. Explain addition and multiplication rules of probability with suitable examples.
10. Discuss in detail about chi square test and how this test is useful in the field of Microbiology.

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