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D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

SEMESTER EXAMINATIONS

NOVEMBER – 2017

15CACS3A

ALLIED : COMPUTERS IN BIOLOGY AND BIostatISTICS

Time : 3 Hrs

Max. Marks : 75

SECTION-A (10 x 2 = 20)

Answer ALL questions.

1. What is internet?
2. Name any two output devices in computer.
3. Mention the types of biological data.
4. What is a binary number of the system?
5. What is a Conditional probability?
6. How are standard errors affected in a multivariate regression?
7. What is Dispersion? Name a few examples.
8. What are events in statistics? How is a complement of an event denoted?
9. What is Watermark? How and when do we use a watermark?
10. Define addition theorem in probability.

SECTION-B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. What is an OS? Comment on the advantages and disadvantages of Windows OS.
12. What is a hypothesis? Differentiate between null and alternate hypothesis.
13. What is a correlation? Explain with a suitable example.
14. How to create and save a document file in Windows OS?
15. What is t and Chi – square test? Mention the applications of these tests.
16. Mention the different data types in Excel.
17. What is a Conditional probability? Explain with suitable example.
18. Comment on Cumulative frequency distribution.

SECTION-C (3 x 10 = 30)

Answer ALL questions.

19. (a) What is Annova? What are the three ways of annova? Explain each with appropriate example.
(Or)
(b) What are frequency distribution and mention its types? Explain with appropriate examples.
20. (a) What is internet and intranet? Comment on the advantages and disadvantages of both.
(Or)
(b) Classify Digital computers and state its advantages and disadvantages.
21. (a) What are the laws of statistics? Comment on each law using suitable examples.
(Or)
(b) What are the different types of functions used in Excel? Explain each function with appropriate example.

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