M.Sc. DEGREE (CSS) EXAMINATION
Semester I
AFA1T04 – Biostatistics and Computer Applications

Time: 3 Hrs   Total Weightage: 30

Section –A
Short answer (Each question carries weight 1 each)

1. Define positive correlation
2. Define scatter diagram
3. Define linear correlation
4. The correlation between the two variables is 1 there is a .... correlation
   a) Perfect correlation b) Perfect positive correlation c) Perfect negative correlation   d) None of these
5. The value of correlation coefficient lies between.......
   a) -1 to 0   b) -1 to 1   c) 0 to 1 d) None of these
6. In a regression line of Y on X , the variable X is known as......
   a) Independent variable   b) Dependent variable c) Random variable d) None of these
7. Scatter diagram of the variate values (X,Y) gives idea about ....
   a)Functional relationship b) Regression model c) Distribution of errors d) None of these
8. Write the two regression equations.
9. Define regression.
10. Anitvirus
11. World Wide Web
12. Blue Tooth   (Total Weightage -10)

Section- B
Short essay (Each question carries a weight 2 each)

13.Calcuate Karl Pearsons coefficient of correlation from the following data

X	40	42	46	48	50	56
Y	10	12	15	23	27	30

14.Calculate rank correlation coefficient from the following data.

X	48	33	40	9	16	16	65	24	46	57
Y	13	13	24	6	15	4	20	9	6	19

15.   Differentiate between i) Multiple and partial correlation
                               ii) Negative and non linear correlation
16. Generations of Computers
17. Binary Numbering System
18. Operating Systems
19. Computer Languages
20. Networking   (Total Weightage -10)

21.

X	1	6	3	4	2
Y	2	8	5	6	4

     i)   Find the two regression lines

     ii)   Calculate the value of Y when x=4

     iii) Find correlation coefficient from the regression lines

22. Define correlation. Explain different types of correlation?

23. Have the computer information systems influenced fisheries? Explain.

24. Explain the Measures of Dispersion.

25. Write an essay on Input and Output Devices in computers.   (Total Weightage -10)