PC-1873/M

L-19/2050

COMPUTERS AND BIOSTATISTICS–XV

(Semester–IV)

Time : Two Hours] [Maximum Marks : 75

Note : Attempt any *four* questions. All questions carry equal marks.

I. What are the features of different generations of computers? Explain.

II. Discuss the features of different types of processing systems.

III. Briefly discuss the following network protocols :

    (a) http

    (b) ftp

    (c) TCP/IP.

IV. Write short notes on the following:

    (a) Character set

    (b) Identifier

    (c) Keyword

    (d) break statement

    (e) continue statement.

V. What are the applications of statistics in biological research? Explain.

VI. Calculate mode from the following data :

Marks	No. of Students	Marks	No. of Students
Above 0	80	Above 60	28
Above 10	77	Above 70	16
Above 20	72	Above 80	10
Above 30	65	Above 90	8
Above 40	55	Above 100	0
Above 50	43		

VII. What are the different measures of dispersion? Explain the features of each measure. What is the relation between measures of dispersion?

VIII. Discuss in detail the five commonly used counting rules used in probability theory.

IX. (a) Distinguish between analog and digital computer.

(b) Name any three input and output devices each.

(c) Define operating system.

(d) Distinguish between router and switch.

(e) Distinguish between internet and intranet.

(f) Distinguish between break and continue statements.

(g) What is the relationship between mean, median and mode?

(h) What is the use of kurtosis?

(i) Define multiple regression.

(j) What is the probability of getting a 2 or a 5 when a die is rolled?

———————