PG/IS/BOT-102/14

M.Sc. 1st Semester Examination, 2014

BOTANY

PAPER — BOT- 102

Full Marks : 40

Time : 2 hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Write the answers to questions of each Unit in separate books wherever necessary

UNIT— I

(*Computer Application*)

[*Marks* : 20]

Answer any *two* questions : 10×2

1. (*a*) What is monitor programming ? 3

(*b*) What is ultility program ?   3

(*c*) What is BIOS ?   2

(*d*) What is LAN ?   2

2. (*a*) What is hybrid computer ? Explain in brief.   3

    (*b*) What is the function of operating system ?   3

    (*c*) Discuss the limitation of computers.   4

3. (*a*) What is internet ?   2

    (*b*) How can we measure the memory unit in computer system ?   2

    (*c*) Write a step-by-step procedure to find the largest of three numbers and draw the flowchart.   6

4. (*a*) What is WAN ?   2

    (*b*) Differentiate between RAM and ROM.   4

    (*c*) Draw the diagram of a CPU.   4

(**3**)

UNIT– II

(*Biostatistics*)

[*Marks* : 20]

Answer any *two* questions from the following : 10 × 2

5. (*a*) What is dispersion ? What is meant by relative dispersion ? What are the common measures of dispersion ?

   (*b*) What are skewness and Kurtosis ? Give some suitable measures of skewness and Kurtosis.   5 + 5

6. Calculate the correlation coefficients for the following bivariate distribution :   10

x :	10	20	30	40	50	60
y :	–20	0	15	25	27	38

7. Define normal and standard normal distribution functions. Compare them. Write some important properties of standard normal distribution.   10

8. What are the properties of a good measure of central tendency ? What measure can be said best according to these properties ? 6 + 4

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