PG/IS/BOT-102/15

M.Sc. 1st Semester Examination, 2015

BOTANY

PAPER –BOT - 102(Unit - I & II)

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 do you mean by primary memory and secondary memory ?

(*b*) Explain relative advantages and disadvantages of PROM and EPROM.

(*c*) Write down applications internet in education.

(*d*) 1 KB = ——— byte. 3 + 3 + 3 + 1

2. (*a*) Write the steps of making a table with 5 columns and 6 rows using MS. Word.

(*b*) State the function of 'Undo' in MS. Word.

(*c*) How do you print a specific page and a specific part of text in a page of a word document ?

(*d*) What is scroll bar ? 3 + 2 + 4 + 1

3. (*a*) What are the different components of a computer system ? What is computer hardware ? What are the various functional units of computer hardware ?

(*b*) What is computer software ? How many types of software are there ? What is application software ? (2 + 1 + 2) + (1 + 2 + 2)

4. (*a*) What are the different storage devices ? Write down the differences between primary and secondary memory ?

(*b*) Write brief notes on (any *two*) :

(*i*) CD-ROM

(*ii*) URL

(*iii*)ALU

(*iv*) Web Browser. $(2+3)+\left(2\frac{1}{2}\times 2\right)$

UNIT–II

(*Biostatistics*)

[*Marks* : 20]

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

5. Define central tendency. Briefly describe the different measure of central tendency. Give two points for each of advantages and disadvantages of all measures of central tendency mentioned by you. $1 + 5 + 4$

6. Calculate the correlation coefficients for the bivariate distribution as given below :

Plant height :	5 cm	9 cm	7·5 cm	13 cm	10 cm	6 cm
Plant Biomass :	37 g	65 g	51 g	91 g	67 g	40 g

Comment on the nature of correlation in the above problem. 8 + 2

7. What is regression ? How is if related to correlation ? Illustrate the procedure of regression analysis. 1 + 1 + 8

8. State the equation of chi square test. What is degree of freedom ? What is meant by probability level ? Mention the uses of this test in the field of biology. Explain the process of judging the significance of the result of chi square test. 1 + 1 + 1 + 3 + 4