2013

M.Sc.

1st Semester Examination

BOTANY

PAPER—BOT-102

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Use separate answerscripts for each unit.

Unit—I

(Marks : 20)

1. Answer any *four* questions from the following :   1×4

   (a) What do you mean by high level and low level language ? Explain op-code.

   (b) State the difference between compiler and interpreter.

   (c) What is BIOS ?

   (d) Write the importance of computer in biological sciences.   (2+2)+2+1+3

2. (a) What is search engine ? Give an example.

(b) What is e-mail ?

(c) What do you mean by simulaiton software ?

(d) Differentiate between operating system and application software. 2+2+2+4

3. (a) What do you mean by computer network ?

(b) What do you mean by URL ? Give an example.

(c) What is computer virus and antivirus.

(d) Give example of an antivirus software.

2+3+3+2

4. Write brief note on the following : 2⨉5

(a) Hard disk ;

(b) www ;

(c) MICR ;

(d) ALU ;

(e) Fifth generation computer.

(Continued)

Unit—II

(Marks : 20)

Answer any *two* questions from the following.

5. Define covariance and correlation coefficients. Write three important properties of correlation coefficient. 4+6

6. What is central tendency ? Give the different measure of central tendency. 2+8

7. What do you mean by standard deviation and variance ? Is there any relation between them ?

   Find the standard deviation of the following distribution :

   x : 2 5 8 11 15
   f : 5 3 8 4 5 3+7

8. Find the mean, median and mode of the following frequency distribution : 10

   3, 4, 7, 5, 8, 7, 6, 3, 6, 7, 9, 2, 7, 6, 8.