

Exam. Code : 206601

Subject Code : 4597

M.Sc. (Bio-Informatics) Semester—I

**COMPUTER FUNDAMENTALS, NETWORKING,
WEB TECHNOLOGY AND BASICS OF C
PROGRAMMING LANGUAGE**

Paper : BI-514

Time Allowed—3 Hours]

[Maximum Marks—75

Note :— Question No. I is compulsory. Answer to each part of question in Section A should not exceed four lines and each question in Section A carry 1.5 marks. Attempt **five** questions from Section B by selecting **one** question from each unit. Each question in Section B carries **12** marks.

SECTION—A

- I. (a) What do you mean by digital circuit ?
- (b) What do you mean by ROM ?
- (c) What do you mean by wireless networking ?
- (d) What is the use of internet ?
- (e) Briefly explain the purpose of Tables in HTML.

- (f) What is the purpose of output statement ? Briefly explain with example.
- (g) What do you mean by testing ?
- (h) What do you mean by recursion ?
- (i) What is the purpose of function prototype ?
- (j) What do you mean by pointer ? $1.5 \times 10 = 15$

SECTION—B

UNIT—I

- II. What is the use of computer in our daily life ? Discuss classification of computers on the basis of size and capacity. 12
- III. What do you mean by Virus ? Explain how the computers can be saved from virus attacks. 12

UNIT—II

- IV. What do you mean by World Wide Web ? Explain various advantages of web and terminology used for web technology. 12
- V. Write short notes on the following :
- (a) TCP/IP
- (b) Telnet. $6+6=12$

UNIT—III

- VI. How HTML is different from DHTML ? Explain prominent features of DHTML with suitable examples. 12
- VII. Explain the following :
- (a) Dynamic Positioning
- (b) CSS. 6+6=12

UNIT—IV

- VIII. What is the purpose of operator in C program ? Explain different types of operators available in C language. 12
- IX. What are various decision making statements available in C language ? Explain with suitable examples. 12

UNIT—V

- X. What do you mean by modular programming ? Explain with the help of suitable C program. 12
- XI. (a) Differentiate Structure and Union.
- (b) Write a C program to calculate the grade of students in a class using structure. 5+7=12