

**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 ? 1.5×10=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