

**M.Sc. (Part-I) Semester-I (C.B.C.S. Scheme) Examination**  
**BIOINFORMATICS**  
**(Computer for Biologists)**  
**Paper-III**

Time : Three Hours]

[Maximum Marks : 80

**Note :—** (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Assume suitable data wherever necessary.

1. What is Windows Operating System ? Explain desktop customization in detail. 16

**OR**

Describe in detail various types of memory. 16

2. Describe "Mail-merge" feature of MS-Word by means of suitable example assuming suitable data. 16

**OR**

Explain with example any eight MS-Excel mathematical functions. 16

3. Explain :

- (a) FTP. 4
- (b) Browser. 4
- (c) Star topology. 4
- (d) Internet. 4

**OR**

- (p) HTTP. 4
- (q) Search engine. 4
- (r) Mozilla. 4
- (s) WAN. 4

4. (a) State and explain various shapes that can be used in flow charts. 5
- (b) Describe logical operators provided by C language. 5
- (c) Describe data types provided by C language. 6

**OR**

- (p) How variables and constants are utilized in C ? Explain with example. 5
- (q) Describe 'testing and debugging' procedure with respect to a C program. 5
- (r) Explain with example arithmetic operators provided by C language. 6

5. (a) What is the utility of switch statement in C ? Explain. 5
- (b) What is an array ? Explain one-dimensional array. 5
- (c) Write a C program to copy the contents of a text file. 6

**OR**

- (p) Write a program in C to find factorial of a given positive integer using do-while loop. 5
- (q) How do we pass an array element to a function ? Explain with example. 5
- (r) Explain any three file functions with example. 6

