



**AF-3017**

B.Sc. (Part - I)  
Term End Examination, 2017-18

**COMPUTER SCIENCE**

Paper - II

*Time* : Three Hours]      [*Maximum Marks* : 50

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**Note** : Answer **all** questions. All questions carry equal marks.

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**Unit-I**

1. (a) Define Software. Explain the various types of software.
- (b) Explain the problem analysis and solving scheme.

**OR**

- (a) What do you mean by logical operator ?  
How is it differ from relational operator ?

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- (b) Define the following terms :
  - (i) Object linking and embedding
  - (ii) Dial up networking

**Unit-II**

- 2. (a) Write the concept of telnet and file transfer protocol.
- (b) Write the various ways to copy one cell to another in Excel.

**OR**

- (a) What do you mean by word processing software? Write the impact of word processing software in various fields.
- (b) Explain the following :
  - (i) world wide web (www)
  - (ii) Absolute and relative addressing

**Unit-III**

- 3. (a) What do you mean by user define function? Write the difference between user define function and library function.
- (b) Write a 'C' program to print integer numbers from 1 to 50 using for loop.

**OR**

- (a) Explain all types of control statements with their syntax.

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(b) Define the following terms with example :

(i) Continue Statement

(ii) Break Statement

#### **Unit-IV**

4. (a) What do you mean by pointer variable ?  
Explain the use of pointer with suitable example.
- (b) Write the various ways to define and assign values in single dimensional array.

**OR**

- (a) Write a program in 'C' language to demonstrate passing array to functions.
- (b) Write the concept of Pointers and its benefits.

#### **Unit-V**

5. (a) Define Union. How Union is different from Structure ?
- (b) Discuss buffered and unbuffered file.

**OR**

( 4 )

- (a) Write a 'C' program for a 'Book' that having title, authors name, price and versions. A user can input all these details and print all details in well mannered form.
  - (b) Explain array of structure and array within structure.
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