I Semester B.A./B.Sc. Examination, Nov./Dec. 2016

(Semester Scheme) (Repeaters – 2013-14 Only)

COMPUTER SCIENCE – I

Problem Solving Through 'C' Programming

Time : 3 Hours

Max. Marks : 70

Instruction : *Answer **all** the Sections.*

SECTION – A

Answer **any ten** questions.

(2×10=20)

1. What is flow chart ? Write two symbols of flowchart.

2. Write the syntax of scanf() statements in C.

3. What is GOTO statement ?

4. What are the actual and formal parameters ?

5. What is an array ? Mention the types of array.

6. What are the command line arguments ?

7. Compare printf() and fprintf() statements.

8. What are the modes of file operation ?

9. What are the pre-processor directives ?

10. What is function ?

11. What is the function of header file ?

12. Explain storage classes.

P.T.O.

SECTION – B

Answer **all** the questions. **Each** question carries **ten** marks. **(10×5=50)**

13. Explain the data types in 'C' with example. **10**

OR

Write an Algorithm and Flowchart for largest of three numbers. **10**

14. Explain IF Statement and its classification with suitable example. **10**

OR

Write a 'C' program to find the quadratic equation using IF statement. **10**

15. Explain FOR-loop statement with syntax and suitable example. **10**

OR

Write a 'C' program to arrange the given numbers in ascending order. **10**

16. i) Explain pointers. **3**

    ii) Write a 'C' program for swapping of two numbers using pointers. **7**

OR

    i) Explain Recursion. **3**

    ii) Write a 'C' program to find the factorial of a given number using recursion. **7**

17. Explain files in 'C' with its operation. **10**

OR

Write a 'C' program to create a data file. **10**