Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 16

BCA (2019 Batch) (Sem.–1)

PROBLEM SOLVING USING C

Subject Code : UGCA-1903

M.Code : 76963

Time : 3 Hrs. **Max. Marks : 60**

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

Write briefly :

1. What is pseudo code?
2. What is the difference between ++a and a++?
3. What is formatted Input /Output in C?
4. What is the purpose of continue statement give suitable example?
5. How are initial values written in a one-dimensional array definition? Must the entire array be initialized?
6. Define recursion. What is the advantage of using recursion?
7. What are storage classes? List out various storage classes in C.
8. How does a structure differ from an array? How can structure variables be declared?
9. What is pointer? How the variable can be assessed using pointer.
10. List out various file operations in C.

SECTION-B

11. Define operators and expressions. List various types of operators also give their precedence.

12. Write a C program to find prime numbers in a given range say ‘n’ to ‘m’.

13. What is recursion? Write a C program to print Fibonacci series up to n terms using recursion.

14. What are strings? Explain various inbuilt string functions along with suitable examples.

15. What is pointer variable? What is the data type of pointer variable signify? Demonstrate the concept of pointer variable and arrays with suitable example.

16. How structure is different from array? Demonstrate the concept of passing structure to function with suitable example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.