

2016*Time : 3 hours**Full Marks : 100**Qualifying Marks : 40*

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

- 1. What are Input and Output functions ? Explain, in detail, the type of Input and Output functions available in C.
2. Explain Data Types in C. Why do we need Data Type ? Explain.
3. What is an Array ? Explain the types of Array and their process of declaration and initialization.
4. Write a C program to store 10 integer numbers and display the largest and smallest numbers.

JG – 2/1

(Turn over)

5. Write a program in C to generate and display even numbers between 1 to 10.
6. Write a program in C to calculate and display area and perimeter of circle.
7. What is Stack ? Explain OVERFLOW and UNDERFLOW of Stack.
8. What is a Circular Queue ? List the difference between Stack and Queue.
9. Write a program in C to accept value of P, R, T then calculate and display Simple interest.
10. Write short notes of any **two** of the following :
 - (a) Pointers
 - (b) Array of Pointers
 - (c) Stack
 - (d) Queue
 - (e) Binary Tree



JG - 2/1 (600)

(2)

VKV(II) — BGA (2)

2017

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

- 1. Explain the functions of relational and logical operators in C with example.**
- 2. Explain the utility of preprocessor directives and header files with few examples.**
- 3. List out the various basic data types in C ? Explain why we need different numeric data types.**

4. ✓ Describe the various file handling functions in C with example.

5. ✓ Discuss the difference between call by reference and call by value.

6. ✓ With a program in C to generate and display prime numbers between 1 to 51.

7. ✓ Write a program in C to calculate and display, Area and Perimeter of a circle of accepting radius as Input.

8. Write a program in C to display number of digits contains in a number.

9. Write a program in C to accept a word as input then display whether the word is a palindrome or not.

10. ✓ Write short notes on the following :

(a) Header files

(b) Variables and Pointers



COPYRIGHT RESERVED

VKV(II) — BCA (2)

2018

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any *five* questions.

1. What do you mean by call by value and call by address ? Explain with suitable example.
2. Explain any five file handling function with syntax and example.
3. Write a program to check the given number is prime or not.

LA – 2/3

(Turn over)

4. What do you mean by recursion ? Write a program to find the factorial of given number using recursion.

5. Discuss any four string manipulation function with suitable example.

6. Write a program to sort an Array using pointer and function.

7. Explain the following :

(a) Void pointer

(b) Pointer to string

(c) Pointer to pointer

(d) Pointer Arithmetic

8. What do you mean by command line arguments ? Write a program to read a text file using command line arguments.

9. What is structure ? How it can create user-defined data types ? Write a program to input roll, name and marks of 10 students and print it.

10. Differentiate the following :

- (a) Structure and Union
- (b) Calloc and Malloc
- (c) Local and Global Variable
- (d) Bit-wise Operators



LA - 2/3 (800)

(3)

VKV(II) - BCA (2)