



**K19U 0255**

Reg. No.: .....

Name: .....

**II Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)**

**Examination, April 2019**

**(2014 Admission Onwards)**

**Complementary Course in Computer Science**

**2C02CSC : PROGRAMMING IN C**

Time : 3 Hours

Max. Marks : 32

**SECTION – A**

1. **One word answer.** (6×0.5=3)
- A) Longevity of a variable refers to \_\_\_\_\_.
  - B) Integral data type is \_\_\_\_\_.
  - C) The C language defines \_\_\_\_\_ fundamental data types.
  - D) do-while loop terminates when conditional expression returns \_\_\_\_\_.
  - E) A character variable at a time can store \_\_\_\_\_ variable.
  - F) User-defined data type can be derived by \_\_\_\_\_.

**SECTION – B**

Write short notes on **any five** of the following questions. (5×2=10)

1. What is meant by declarations ? Give an example.
2. What are library functions ? Give an example.
3. Specify the syntax used for 'for' statement.
4. Mention the use of 'break' and 'continue' statements.
5. What are function prototypes ?
6. Specify the role of static variables.

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7. What is a string ? Give an example.
8. Mention any two bitwise operators.

### SECTION – C

Answer **any three** of the following questions.

**(3×3=9)**

1. Explain the various branching statements in C with examples.
2. What is a function ? How function are defined in C ? Explain with an example program.
3. Write a C program to sort the given set of n numbers.
4. What are constants ? How they are declared ? Mention different constant types.
5. Write about notes on unions.

### SECTION – D

Write an essay on **any two** of the following questions.

**(2×5=10)**

1. Write a program to get the student name, register number, class, mark 1, mark 2, mark 3 and mark 4. Calculate the total and average. Print the results.
2. Explain about pointers with examples.
3. Briefly discuss about control statements.
4. Write a C program to arrange the numbers in ascending and descending orders.