

B.C.A Semester - 1 (CBCS) Examination
Nov./Dec. -2018 (New Course)
PROGRAMMING IN C (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 [A] Give the answers of following questions. (03)
1. What is flowchart?
 2. Founder of C language and which year.
 3. How many bits occupied by character data type.
- [B] Attempt the following. (Any Two) (06)
1. What is algorithm explain with its advantage.
 2. Explain different generation of computer languages.
 3. List out variable naming rules.
 4. What is pre-processor?
- [C] Attempt the following. (Any One) (05)
1. Explain Structure of C Language.
 2. Explain Different data types in C language.
- Que-2 [A] Give the answers of following questions. (03)
1. List out iterative control statements.
 2. _____ Statement terminate current executable loop.
 3. What is use of Break statement explain in one line?
- [B] Attempt the following. (Any Two) (06)
1. Explain if-else statement.
 2. Explain Do...While Loop with example.
 3. Explain ternary operators.
 4. Explain for loop.
- [C] Attempt the following. (Any One) (05)
1. Explain switch-case statement with example.
 2. Explain nesting of loops with example.
- Que-3 [A] Give the answers of following questions. (03)
1. What is recursion?
 2. What is the use of strlen() function.
 3. Explain getchar().
- [B] Attempt the following. (Any Two) (06)
1. Explain printf() and scanf().
 2. Explain fmode() and ceil().
 3. List out string function and explain any one in detail.
 4. Explain initgraph() in C.
- [C] Attempt the following. (Any One) (05)
1. List out types of UDF and explain any two in detail.
 2. Explain Storage class with example.
- Que-4 [A] Give the answers of following questions. (03)
1. List types of Array.
 2. What is structure?
 3. _____ Keyword is use to create a structure.

- [B] Attempt the following. (Any Two) (06)
1. Explain String Array with Example.
 2. Give differences: structure v/s. union.
 3. Explain Two-Dimensional Array with example.
 4. Explain array of structure.
- [C] Attempt the following. (Any One) (05)
1. Explain Nested structure with example.
 2. Explain Dynamic Memory allocation functions in detail.
- Que-5 [A] Give the answers of following questions. (03)
1. What is realloc()?
 2. How many argument pass in fopen()?
 3. What is Random Access file.
- [B] Attempt the following. (Any Two) (06)
1. Explain rewind() function.
 2. Explain pointer within structure.
 3. What is fprintf() and fscanf() function.
 4. What is the use of pointer in dynamic programming?
- [C] Attempt the following. (Any One) (05)
1. Write a program to copy contents of one file to another file.
 2. Explain command line arguments with suitable example.
