

P.G.D.C.A Semester - 1 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2018)
PROGRAMMING IN C(CORE)

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

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

Que.1(A) Attempt following questions. (03)

- 1) A predefine meaning of a word, it is called _____.
- 2) A single character constant always represented within pair of _____ quotes.
- 3) sizeof() is a special operator in C. (True / False)

Que.1(B) Attempt following. (Attempt Any Two) (06)

- 1) What is C Token? Explain types of Tokens available in C.
- 2) What is Constant? Explain types of Constants supported by C.
- 3) Explain Dry-run and its usage in programming language.

Que.1(C) Attempt following. (Attempt Any One) (05)

- 1) Explain data types available in C.
- 2) Explain types of Operators available in C.

Que.2(A) Attempt following questions. (03)

- 1) _____ is called Multi-Branching statement in C.
- 2) _____ statement terminate current executable loop.
- 3) _____ loop is called entry control loop in C.

Que.2(B) Attempt following. (Attempt Any Two) (06)

- 1) Explain simple if statement with an example.
- 2) Explain break and continue statement with an example.
- 3) Explain for loop with an example.

Que.2(C) Attempt following. (Attempt Any One) (05)

- 1) Explain ladder elseif statement with an example.
- 2) Explain switch statement with an example.

Que.3(A) Attempt following questions. (03)

- 1) Which function makes a copy of string from source to destination?
- 2) Which function makes comparison of two string and check it is same or not?
- 3) Static storage class member default initialize with _____ value.

Que.3(B) Attempt following. (Attempt Any Two) (06)

- 1) Explain any five string function.
- 2) Explain recursion with suitable example.
- 3) Explain call by value and call by reference with an example.

- Que.3(C) Attempt following. (Attempt Any One) (05)
- 1) Explain types of user define function with an example.
 - 2) Explain Storage Classes in detail
- Que.4(A) Attempt following questions. (03)
- 1) What is an Array?
 - 2) What is Structure?
 - 3) A structure contains another structure's object as a member, so it is called
- Que.4(B) Attempt following. (Attempt Any Two) (06)
- 1) Difference between Structure V/S Union.
 - 2) Explain Nested Structure with an example.
 - 3) Explain array within structure with an example.
- Que.4(C) Attempt following. (Attempt Any One) (05)
- 1) Explain Array of Structure with an example.
 - 2) Explain types of Arrays in detail.
- Que.5(A) Attempt following questions. (03)
- 1) What is Pointer?
 - 2) _____ function return current pointer position in the file.
 - 3) _____ function move pointer at one place to another in the file.
- Que.5(B) Attempt following. (Attempt Any Two) (06)
- 1) Explain fopen() function with types of file opening mode.
 - 2) Explain Pointer to Pointer with an example.
 - 3) Explain Pointer to Array with an example.
- Que.5(C) Attempt following. (Attempt Any One) (05)
- 1) Explain command line arguments with an example.
 - 2) Explain Pointer to Structure with an example.
