

(6 pages)

Reg. No. :

Code No. : 40584 E Sub. Code : SMCS 11/
SMSE 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2019.

First Semester

Computer Science/Software Engineering — Main

PROGRAMMING IN C

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The Alphabets of the C Programming is referred as _____.
- (a) Tokens (b) Character Sets
(c) Keywords (d) Identifiers

2. What is the ASCII value of 'B'?
- (a) 98 (b) 97
(c) 65 (d) 66
3. _____ loops test the condition before executing the statement of the loop.
- (a) while and do while
(b) while and for
(c) for and do... while
(d) do... while alone
4. _____ is statement used to immediate exit from the loop or the block of statement.
- (a) Go... to (b) Continue
(c) Break (d) Stop
5. _____ is the collection of similar data types.
- (a) Group (b) Structure
(c) Union (d) Array
6. _____ is a function used to compare two given strings.
- (a) Strlength() (b) Strcompare()
(c) Strcmp() (d) Strcpm()

Page 2 Code No. : 40584 E



7. _____ is also known as function prototype.
(a) function call
(b) function declaration
(c) function return
(d) function definition
8. _____ variables that are defined with in a body of function or block.
(a) Global (b) Static
(c) Dynamic (d) Local
9. Heterogenous data types are grouped together is referred as _____.
(a) Union (b) Pointer
(c) Structure (d) Array
10. _____ is a function used to open a file.
(a) file open() (b) fopen()
(c) open() (d) open file()

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Mention the rules for the identifier.
Or
(b) Discuss about the Bitwise Operator.

Page 3 Code No. : 40584 E

12. (a) Write short notes on ?: Operator with suitable examples.
Or
(b) State the difference between while and do... while loop.
13. (a) Discuss about character Arrays.
Or
(b) Write a program to add 10 Integers using Arrays.
14. (a) Explain Recursive functions.
Or
(b) Discuss about Union.
15. (a) Explain – how to access the Address of a variable?
Or
(b) Write short notes on sequential files.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write detail notes on C – Operators.
Or
(b) Describe the basic Input and Output operation with suitable examples.

Page 4 Code No. : 40584 E

[P.T.O.]



17. (a) Explain the various types of Decision making and Branching in C Program.

Or

- (b) Write a program to display below mentioned patterns using for loop.

(i)

```
      *
    * * *
  * * * * *
```

(ii)

```
    *
   * *
  * * *
 * * * *
```

18. (a) Write a program to perform matrix addition between two 2×2 matrices.

Or

- (b) Mention the various string handling functions.

19. (a) Discuss about user defined function.

Or

- (b) Write detail notes on structures.

Page 5 Code No. : 40584 E

20. (a) Explain – how to pass pointers as function Arguments?

Or

- (b) Discuss about I/O operations on files.
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Page 6 Code No. : 40584 E

