

Reg. No. :

Code No. : 21263

Sub. Code : SMCS 11/
SMSE 11

III B.E. (CBCS) DEGREE EXAMINATION, APRIL 2018.

First Semester

Computer Science and 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.

What is the size of integer datatype?

- | | |
|-------------|-------------|
| (a) 2 bytes | (b) 1 byte |
| (c) 3 bytes | (d) 4 bytes |

_____ variables can be used by all the functions in the program.

- | | |
|-------------|------------|
| (a) Local | (b) Static |
| (c) Dynamic | (d) Global |

3. _____ constants represented as a single character enclosed within a single quote.

- (a) Integer (b) String
(c) Float (d) Character

4. _____ is an exit level control loop.

- (a) for (b) while
(c) do...while (d) for...each

5. _____ statement is used to stop the process of a block.

- (a) Goto (b) Continue
(c) Break (d) Switch

6. Each value of an array is referred by its name and _____.

- (a) Number (b) Index value
(c) Domain (d) Reference code

7. The string constants are defined between the _____ symbol.

- (a) ' ' (b) /s.../s
(c) " " (d) _____

8. _____ functions are not able to modify

- (a) user defined (b) pre defined
(c) recursive (d) local defined

9. _____ members can share the memory

- (a) auto (b) array
(c) union (d) structure

In pointer & symbol is referred _____ operator

- (a) AND (b) Bitwise AND
(c) Address (d) Deference

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

(a) Write short notes on character constants.

Or

(b) Briefly explain about special operator.

(a) Explain switch statements with suitable examples.

Or

(b) Write short notes on do...while loop.

(a) Discuss about Multi dimensional array.

Or

(b) Write short note on character arrays.

(a) Describe function declaration.

Or

(b) List out the uses of structures.

(a) Explain – how to declare pointer variables.

Or

(b) Explain – how to open a file.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) List out the various data types.

Or

(b) Discuss about the input/output operations.

17. (a) Explain the types of If statements.

Or

(b) Write detail note on looping statements.

18. (a) Discuss about arrays and its types.

Or

(b) Explain the various string handling functions.

19. (a) Write detail notes on user defined functions.

Or

(b) State the difference between structure and union.

20. (a) Explain – how to pass pointer as function argument.

Or

(b) Explain the various I/O operations in C.