

Reg. No. : .....

Code No.:33008E

Sub. Code: AMCS11/AMSE11

B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2020

First Semester

COMPUTER SCIENCE/SOFTWARE ENGINEERING – Main

PROGRAMMING IN C

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 X 1 = 10 marks)

Answer ALL questions, Choose the correct answer

1. \_\_\_\_\_ byte is size of integer.  
(a) 2                      (b) 3                      (c) 1                      (d) 5
2. Control string used for character is \_\_\_\_\_.  
(a) % Ch                      (b) % C                      (c) % S                      (d) %T
3. \_\_\_\_ are special storage areas within a computer's Central Processing Unit.  
(a) Static                      (b) Extern                      (c) Register                      (d) auto
4.  $C = a \% 2$  when  $a$  is 25 what is value of  $C$ ?  
(a) 10                      (b) 24                      (c) 12                      (d) 1
5. \_\_\_\_\_ operators are used to manipulate the data at bit level.  
(a) Assignment                      (b) Relation                      (c) Special                      (d) Bitwise
6. \_\_\_\_\_ structure, in which statements are repeatedly executed.  
(a) Selection                      (b) Sequential                      (c) Iteration                      (d) Encapsulation
7. The \_\_\_\_\_ statement is used to terminate the loop  
(a) Exit                      (b) Break                      (c) goto                      (d) continue
8. \_\_\_\_\_ Determines first occurrence of a given character in a string  
(a) strcmp()                      (b) strchr()                      (c) Strchr()                      (d) Strnset()
9. \_\_\_\_\_ is collection of different data types.  
(a) Array                      (b) Function                      (c) Structure                      (d) File
10. A pointer is said to be \_\_\_\_\_ when its right value is 0.  
(a) Zero pointer                      (b) empty pointer                      (c) Null pointer                      (d) Free pointer

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 to define identifiers.  
OR  
(a) Discuss about conditional operator.
- 12.(a) Describe the simple if statement.  
OR  
(b) Mention the syntax of do.while loop and explain.
- 13.(a) How to define an one dimensional arrays.  
OR  
(b) Explain – how to read a string?
- 14.(a) What is function? - Explain  
OR  
(b) Explain the way to access the structure members.
- 15.(a) State the way to Declare pointer variable.  
OR  
(b) Write short notes 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 Symbolic Constant.  
OR  
(b) Explain about Relational and logical operators.
- 17.(a) Discuss about nested if and else if ladder statements.  
OR  
(b) Write detail notes on while and for loop.
- 18.(a) Write a program for matrix multiplication with 2x2 matrixes.  
OR  
(b) Discuss about various string handling functions.
- 19.(a) Write detail notes on Recursive functions.  
OR  
(b) Explain Array of structures.
- 20.(a) Discuss about pointer Expressions.  
OR  
(b) Write notes on Error handling during I/O operations.