

University of Information Technology & Sciences (UITS)
Faculty of Science and Engineering
Department of CSE
Program: BSc. in CSE
Mid Term Examination, Autumn 2022
Course Title: Structured Programming Language
Course Code: CSE 111

Marks: 20

Time: 1 Hour

- (Answer all questions)
- | Q. No. | | Marks |
|--------|---|-------|
| 1. | a) Explain the functions of printf(), scanf() and #include | [03] |
| | b) If a = 8, b = 3 & c=7, show the output (X, Y, Z) of the following statements: | [04] |
| | (i) X = (b < c)? b: c; | |
| | (ii) Y = (++a) + b; // Y = (1 + 8) + 3 = 12 | |
| | (iii) Z = (Y--) + c; // Z = (12 + 7) = 19, Y = 12 + 1 = 13 | |
| | (iv) printf ("%d", a>b); | |
| | c) Compare between getchar() and putchar() with example. | [03] |
| 2. | a) Define type casting with example. | |
| | b) Show the output of the following program. | [02] |
| | { | [04] |
| | int a=4, b=7; | |
| | printf ("%d",a>>2); | |
| | printf ("%d",b<<2); | |
| | } | |
| | c) Build a C program to check whether a year is leap year or not using if-else statement. | [04] |

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16 8 4 2 1
! 0 0