

University of Information Technology & Sciences (UITS)

Faculty of Science and Engineering

Department of Computer Science & Engineering

Program: B.Sc. in CSE

Mid Term Examination, Spring 2025

Course Title: Structured Programming Language

Course Code: CSE 0613111/CSE 103/ CSE 111

Marks: 20

Time: 1(One) Hour

(Answer all questions)

Q.No.		Marks
1a	If a = 8, b = 3 & c=7, find & explain the output (X, Y, Z) of the following statements: (i) X = (b < c)? b: c; (ii) Y = (++a) + b; (iii) Z = (Y--) + c; (iv) printf ("%d",a>>2) (v) printf ("%d",a==b)	5
1b	Define data type. List the format specifiers for build in data types.	2
1c	Write a C program to check whether the character is an alphabet or not using ternary operator.	3
2a	Write a program in C that takes a number (1-7) as input and use switch-case to print the corresponding day (1 = Sunday, 2 = Monday, etc.).	4
2b	Analyz the following code to find out the output and explain the steps. #include<stdio.h> int main() { int a=100; if(a>10) printf("Bangladesh"); else if(a>20) printf("Australia"); else if(a>30) printf("Newzealand"); return 0; }	4
2c	Compare between getchar() and putchar() with example.	2