Mid Semester Examination (MSE) No.		ESC103	Subject Title	Programming for Problem Solving Ranjodh Kaur, Siddharth Jain, Gagneet Kapil Sharma, Jaswant Singh, Sita Rani, Kaur, Paramveer Kaur, Lakhvir Kaur Grewal, Palak Sood, Meetali, Goldendeep Kaur, Kamaljeet I Randeep Kaur, Harminder Kaur I hour 30 minutes	
		1	Course Coordinator(s) Time Duration		
		24			
Date of N	1SE	19/09/24	Roll Number	T HOW BOOK	
Note: Att	empt a	ll questions. A	all assumptions must be clear	ly stated.	COs,
Q. No.	Q. No. Question				
Q1	Differentiate between compiler and interpreter (at least 4 differences).				CO3, L2
Q2	What will be the output for the following code snippet: int main() { int a = 10, b = 0, c = 5; if ((a > 5 && ++b) (c == 4 && ++b)) { cout << "Inside if: a = " << a << ", b = " << b << endl; } else { cout << "Inside else: a = " << a << ", b = " << b << endl; } return 0; }				CO2, L3
Q3	What goes behind the scene when you attempt to get an output from source code in C++? Elaborate the process steps with the help of diagram.				L2
Q4	Write a program to swap two positive integer numbers using bitwise operators. Provision to accept positive integer numbers should be made available.				CO2,
Q5	Explain implicit and explicit type conversions by using any scenario. [Don't miss to explain scenario.]				CO2
Q6	Desig	If '1' is ent positive int If '2' is ent entered by If any other suitable me	user. · integer is entered, code mu	e greatest among three	CO4 L6