

Semester: July 2025 – Nov 2025										
Maximum Marks: 10	Debug Test	Duration : 10 min								
Programme: B.Tech	Class: FY	Semester: I (SVU 2025)								
Name of the Constituent College: K. J. Somaiya School of Engineering										
Course Code: 316U06L101	Name of the Course: Structure Programming methodology									
Roll No:	Name:									
Division and Batch:	Sign:									
<p>Instruction:-</p> <p>There will be logical, syntax error, or missing statements (more than one line) in the given program. A student needs to identify and correct it. If needed type the corrected code accordingly in given format.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Line no</th> <th style="width: 35%;">Error</th> <th style="width: 35%;">Explanation</th> <th style="width: 15%;">corrected code</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Line no	Error	Explanation	corrected code				
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Question	C++ program to print the diagonal elements of a square matrix
1. #include <iostream> 2. using namespace std; 3. void printDiagonal(int matrix[10][10], int n) { 4. cout << "Diagonal elements of the matrix are: "; 5. _____ 6. _____ 7. } 8. cout << endl; 9. } 10. int main() { 11. int matrix[10][10], n; 12. cout << "Enter the order of the square matrix: "; 13. cin >> n; 14. cout << "\nEnter elements of the matrix:\n"; 15. for (int i = 0; i < n; ++i) { 16. for (int j = 0; j < n; ++j) { 17. cin >> matrix[j][i]; 18. } 19. } 20. cout << "\nMatrix entered:\n"; 21. for (int i = 0; i < ?n; ++i) { 22. for (int j = =0; j <> n; ++j) { 23. cout << matrix[i][j] << " "; 24. } 25. cout << endl; 26. } 27. // Function call to print diagonal elements 28. printDiagonal(matrix, n); 29. return 0; 30. }	

Line no	Error	Explanation	corrected code	marks



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