

CCT TEST ITEM

CLASS	XI
SUBJECT	COMPUTER SCIENCE
Name of the Teacher	SOUMYAMOL D
Name of the Topic/Chapter	DICTIONARY IN PYTHON
A school is developing a student information management system. The system stores each student's details, such as name, class, and marks in various subjects, using a dictionary. Below is a portion of the code representing the student data: <pre>student_data = {"name": "Rahul", "class": 11, "marks": {"math": 85,"science": 90, "english": 75}}</pre> <pre>def calculate_average(marks): total = sum(marks.values()) return total / len(marks) average_marks = calculate_average(student_data["marks"]) print("Average Marks:", average_marks)</pre> Based on the above information, answer the following questions:	
Q.1.	What will be the output of the above code? a) Average Marks: 250 b) Average Marks: 83.33 c) Average Marks: 85.0 d) Average Marks: 75.0
Answer	b) Average Marks: 83.33
Q.2.	If a new subject, history, with marks 80 needs to be added, which of the following is the correct way to modify the dictionary? a) student_data["marks"] = {"history": 80} b) student_data["history"] = 80 c) student_data["marks"]["history"] = 80 d) student_data.append({"marks": {"history": 80}})
Answer	c) student_data["marks"]["history"] = 80
Q.3.	Which of the following statements will correctly print the marks obtained in science? a) print(student_data[science]) b) print(student_data["marks"]["science"]) c) print(student_data["science"]["marks"]) d) print(student_data[marks]["science"])
Answer	b) print(student_data["marks"]["science"])
Q.4.	How will you delete the subject english from the marks dictionary? a) del student_data["marks"]["english"] b) del student_data["english"]["marks"]

	c) <code>student_data.remove("english")</code> d) <code>student_data.pop("marks")</code>
Answer	a) <code>del student_data["marks"]["english"]</code>