



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2024

CMSADSE04P-COMPUTER SCIENCE (DSE3/4)

PRACTICAL

SET-I

Time Allotted: 2 Hours

Full Marks: 10

The figures in the margin indicate full marks.

Candidates should answer in their own words and adhere to the word limit as practicable.

All symbols are of usual significance.

Answer any one question from the following

Create a database "Institute" which contains the information about the students together with their Semester, Subject_taken, Result percentage of a college.

Institute contains a collection of "students" which contains documents with the following fields.

- (i) S_id
- (ii) S_reg
- (iii) S_name
- (iv) S_Semester
- (v) S_address (City, Pin)
- (vi) Subject_taken (Major, Minor1, Minor2)
- (vii) Result_Percentage (First_term, Mid_term, Final)

A student may have one major subject and two minor subjects and result_percentage for different examinations in a semester.

- (a) Now insert at least 5 documents in the student collection.
- (b) Display all the documents of the collection in a formatted manner.

[Now answer any one of the following query]

1. Find the total number of different minor1 subject.
2. Find the total number of students in 4th semester.
3. Find how many students have major subject "Chemistry" in 2nd semester.
4. Find how many students have minor subject "Computer Science" in 2nd semester.
5. Find how many students city is not "BARASAT".
6. Find how many students have major subject "Computer Science" in 5th semester.
7. Find how many students score less than 60% in each exam result.
8. List the names of the different minor subjects taken by the students.
9. Find how many students score average 70% and above.
10. Find which student score highest percentage in mid_term exam result.

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