MID SEMESTER EXAMINATION

October-2021

Course Code: COCSC04, CACSC04, CDCSC04 **Course Title:** Web Technologies

Time: 1:30 Hours **Max Marks:** 15

Note: **Attempt all questions.**
Assume suitable missing data, if any

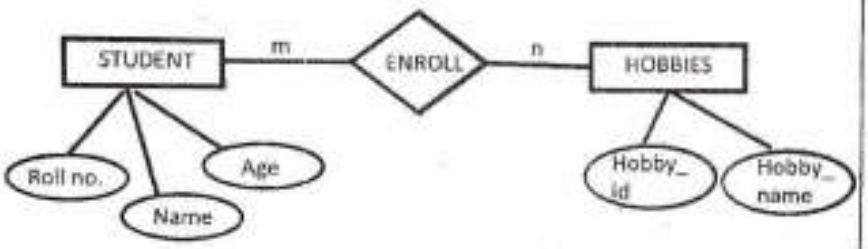
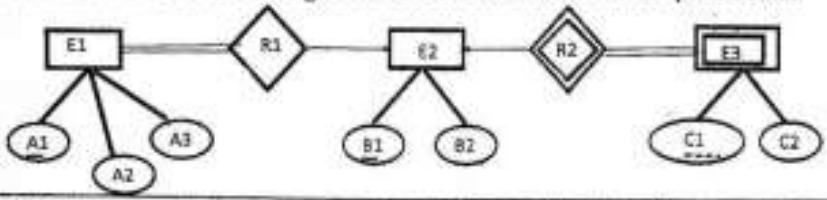
<table>
<tr><th>No.</th><th>Question</th><th>CO</th><th>Marks</th></tr>
<tr><td>1.</td><td>a) Design the static web page that display a marks table with three rows and three columns as shown below:
<table>
<tr><th>Marks1</th><th>Marks2</th><th>Marks3</th></tr>
<tr><td>90</td><td>92</td><td>99</td></tr>
<tr><td>81</td><td>80</td><td>82</td></tr>
<tr><td colspan="2">Total</td><td>524</td></tr>
</table></td><td>CO2</td><td>2</td></tr>
<tr><td></td><td>b) Write format for adding website link in HTML.</td><td>CO3</td><td>1</td></tr>
<tr><td>2.</td><td>a) Discuss the creation of HTML document with frames.</td><td>CO1</td><td>2</td></tr>
<tr><td></td><td>b) Explain how events are handled in JavaScript.</td><td>CO3</td><td>1</td></tr>
<tr><td>3.</td><td>a) 'Javascript is referred to as Object based programming language'. Justify with an example.</td><td>CO4</td><td>2</td></tr>
<tr><td></td><td>b) What is fieldset and legend while designing the form in html.</td><td>CO2</td><td>1</td></tr>
<tr><td>4.</td><td>a) What is Document object model? Discuss the various DOM methods used with javascript.</td><td>CO2</td><td>2</td></tr>
<tr><td></td><td>b) Write a JavaScript code to generate the current date in "Day, Month Date, Year" on a button.</td><td>CO3</td><td>1</td></tr>
<tr><td>5.</td><td>a) Write a script that reads an integer and determines whether it is PRIME Number or Not.</td><td>CO2</td><td>1</td></tr>
<tr><td></td><td>b) What are the methods used for the setting the position of an element in webpages in CSS. Explain with diagrammatically.</td><td>CO1</td><td>2</td></tr>
</table>

MID-SEMESTER EXAMINATION, October- 2021

Course Code-CACSC05/CDCSC05/CMCSC05/ COCSC05/ITITC05/INITC05
Course Title-Database Management System

Time- **1 Hour 30 Mins** Max. Marks- **15**

Note: - Attempt all questions. Missing data/ information if any, maybe suitably assumed & mentioned in the answer.

Q. No.	Question	Marks	CO
1a	Define candidate key and primary key. List the difference between them.	1M	CO2
1b	Consider a relation R (A,B,C,D,E). If (A) and (BC) are the candidate keys of R, find the number of superkeys and list them.	2 M	CO2
2	Consider the following ER model:  Write relational algebra expression for the following queries.		
2a	(i)Find the students who have music, painting and football as their hobbies. (ii)Find the student names who do not have cricket and yoga as their hobby.	2 M	CO2
2b	List the hobbies in which atleast 3 students have enrolled.	1M	CO2
3a	Define levels of abstraction.	1M	CO1
3b	What is the difference between procedural and non proceduralDML. Give example of each.	2 M	CO1
4a	What is the difference between schema and instance. Give example of each.	1.5M	CO1
4b	What is meant by data independence. Support your answer with an example.	1.5 M	CO1
5	Consider the ER model given below and answer the questions: 		
5a	What is the minimum number of relations for the above mentioned ER model.	1M	CO2
5b	What is the relational schema for the above mentioned ER model	2M	C02