[Time: As Per Schedule]   [Max. Marks: 70]

Seat No:

Instructions:
1. Fill up strictly the following details on your answer book
   a. Name of the Examination: BACHELOR OF COMPUTER APPLICATIONS (FIFTH SEMESTER)
   b. Name of the Subject: 501-01 ADVANCED WEB DESIGNING
   c. Subject Code No: 2211000105010002
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question
4. All questions are compulsory.

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Student's Signature

Q.1   Answer the following questions in short. (Any 7)   14

    1. Give two features of NoSQL database and explain in brief.
    2. Explain skip() and limit( ) methods in MongoDB.
    3. List out Datatypes of MongoDB.
    4. What is AngularJS? Explain any 2 of its features.
    5. Explain ng-show and ng-hide directives of Angular JS
    6. What is $dirty and $touched states in AngularJS form validation?
    7. What is the use of event.target.value?
    8. What do you mean by 'props' in ReactJS?
    9. List out advantages of React.

Q.2   Answer the following questions. (Any 2)   14

    1. Explain CRUD in MongoDB with example.
    2. Explain React Components in detail.
    3. Explain Event Handling in React.

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Q.3 Attempt the following questions. (Any 2)

1. Explain expressions and filters in AngularJS.
2. Describe in detail how to validate forms in AngularJS.
3. What is a module in AngularJS? Also explain how to create a controller of the module with an example.

Q.4 (A) Write MongoDB commands to solve following queries. (Any 5)

1. Create a database named Cricket. And create a collection namely 'player' in this database. Consider the keys like(id, name, country, score, player-type)
2. Insert 5 documents in player collection.
3. Remove player with player_id : 3.
4. Update the documents of all players whose country is 'England' to 'UK'
5. List all players of 'India' whose player-type is 'all-rounder'.
6. List all players of 'Australia' scoring more than 100 runs.
7. Display top 3 players scoring highest runs.

(B) Create a registration form that accepts Name, Age, Email and Password of the user. Give validations on these form fields using Angular JS.

4

OR

(B) Create a registration form in React JS that accepts Name, Email and Password. Display the details given as input.

4

Q.5 Write a short note on following (Any 2)

1. Operators in MongoDB
2. React Hooks
3. MVC Architecture in AngularJS
4. Data Types in MongoDB

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