SAVITRIBAI PHULE PUNE UNIVERSITY

M.Sc. (Computer Science) Sem-III

Practical Examination (From 2024-2025)

SUBJECT: CS-611-MJP: Lab Course on CS-610-MJ (Full Stack Development- II)

Time: 3 Hours   **Max. Marks: 35**

Q.1) Write an AngularJS script for addition of two numbers using ng-init, ng-model & ng-bind. And also demonstrate ng-show, ng-disabled, ng-click directives on button component.   **[15]**

Q.2) Create a Node.js application that reads data from multiple files asynchronously using promises and async/await.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Write an AngularJS script to print details of bank (bank name, MICR code, IFC code, address etc.) in tabular form using ng-repeat.   **[15]**

Q.2) Create a simple Angular application that fetches data from an API using HttpClient. Implement an Observable to fetch data from an API endpoint.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   **Max. Marks: 35**

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Q.1) Write an AngularJS script to display list of games stored in an array on click of button using ng-click and also demonstrate ng-init, ng-bind directive of AngularJS.

[15]

Q.2) Find a company with a workforce greater than 30 in the array (use find by id method) [15]

Q.3) Viva [5]

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Fetch the details using ng-repeat in AngularJS   **[15]**

Q.2) Express.js application to include middleware for parsing request bodies (e.g., JSON, form data) and validating input data.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Create a simple Angular component that takes input data and displays it.   **[15]**

Q.2) Implement a simple server using Node.js.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   Max. Marks: 35

Q.1) Develop an Express.js application that defines routes for Create and Read operations on a resource (products). [15]

Q.2) Find a company with a workforce greater than 30 in the array. (Using find by id method) [15]

Q.3) Viva [5]

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Create a Node.js application that reads data from multiple files asynchronously using promises and async/await. **[15]**

Q.2) Develop an Express.js application that defines routes for Create and Read operations on a resource (User). **[15]**

Q.3) Viva **[5]**

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Create a simple Angular application that fetches data from an API using HttpClient. Implement an Observable to fetch data from an API endpoint. **[15]**

Q.2) Develop an Express.js application that defines routes for Create, Update operations on a resource (Employee). **[15]**

Q.3) Viva **[5]**

SAVITRIBAI PHULE PUNE UNIVERSITY

M.Sc. (Computer Science) Sem-III

Practical Examination (From 2024-2025)

SUBJECT: CS-611-MJP: Lab Course on CS-610-MJ (Full Stack Development- II)

Time: 3 Hours   **Max. Marks: 35**

Q.1) Find a company with a workforce greater than 30 in the array. (Using find by id method). **[15]**

Q.2) Create Express.js application to include middleware for parsing request bodies (e.g., JSON, form data) and validating input data. Send appropriate JSON responses for success and error cases. **[15]**

Q.3) Viva **[5]**

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Implement a simple server using Node.js.   **[15]**

Q.2) Extend the previous Express.js application to include middleware for parsing request bodies (e.g., JSON, form data) and validating input data. Send appropriate JSON responses for success and error cases.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Develop an Express.js application that defines routes for Create operations on a resource (Movie).   **[15]**

Q.2) Create Angular application that print the name of students who play basketball using filter and map method.   **[15]**

Q.3) Viva   **[5]**

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Time: 3 Hours   Max. Marks: 35

Q.1) Write an AngularJS script to print details of Employee (employee name, employee Id,Pin code, address etc.) in tabular form using ng-repeat.   [15]

Q.2) Develop an Express.js application that defines routes for Create operations on a resource (User).   [15]

Q.3) Viva   [5]

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Extend the previous Express.js application to include middleware for parsing request bodies (e.g., JSON, form data) and validating input data. Send appropriate JSON responses for success and error cases. **[15]**

Q.2) Create a simple Angular component that takes input data and displays it. **[15]**

Q.3) Viva **[5]**

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Time: 3 Hours   Max. Marks: 35

Q.1) Create Angular application that print the name of students who got 85% using filter and map method. [15]

Q.2) Develop an Express.js application that defines routes for Create, Update operations on a resource (Employee). [15]

Q.3) Viva [5]

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Time: 3 Hours   **Max. Marks: 35**

Q.1) Find an emp with a Salary greater than 25000 in the array. (Using find by id method)
                                                                                    [15]

Q.2) Create Angular application that print the name of students who got 85% using filter and map method.   **[15]**

Q.3) Viva   **[5]**