

Maharashtra Education Society's,
Abasaheb Garware College (Autonomous)
Department of Computer Science
MSc (Computer Application) Semester - III
PSCAP-235 Full Stack Development – II and Software Testing Laboratory
Duration: 3Hrs. Max Marks: 70

Q. 1) Write positive and negative test cases for Simple Calculator Application.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver.

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <http://omayo.blogspot.com/p/page7.html>
3. Download a file in the Selenium Project. **(Marks 20)**

Q.3) Create two components. **(Marks 30)**

ParentComponent

ChildComponent

- a. ParentComponent passes prop as name to ChildComponent
- b. ChildComponent Displays name e.g. “ Hi <name>”

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Online Air Ticket Booking.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://garwarecollege.mespune.in/>
3. Take Screenshots using Selenium.

Q.3) Print below array elements using map into the screen. **(Marks 30)**
a. const weekdays = ["Monday", "Tuesday", "Wednesday", "Thursday",
"Friday", "Saturday", "Sunday"]

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Gmail Login Page.
(in excel write 10 test cases) **(Marks 10)**

Q.2) Install selenium IDE in Chrome and record ,play, & save website using selenium IDE. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://garwarecollege.mespune.in/>
3. Record and Playback scripts using Selenium IDE.

Q.3) Create two components **(Marks 30)**
ParentComponent
ChildComponent
a. ParentComponent passes prop as name to ChildComponent
b. ChildComponent Displays converting name to uppercase and print
E.g ParentComponent passes John
ChildComponent prints My name is JOHN

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Facebook Login Page.
(in excel write 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <http://omayo.blogspot.com/p/page7.html>
3. Download a file in Selenium Project.

Q.3) Implement useEffect hook and print all three lifecycle state **(Marks 30)**
a. E.g Inside mount
b. E.g Inside update
c. E.g Inside unmount

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for web page of any website/College/University website. (in excel write 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Search the first keyword combination.
3. Repeat the steps 2 for the other 2 keywords combination.

Search Keywords

S.no	Country	Monument
1	India	Qutub Minar
2	Agra	Taj Mahal
3	Hyderabad	Charminar

Q.3) Print below array elements using map into the screen **(Marks 30)**

- a. `const fruits = ["apple", "banana", "cherry", "bat"]`
- b. Only print fruits it should remove bat and print it

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for E-Commerce shopping portal Login form(like Flipkart, Amazon)(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks 20)**
a. Write a javascript in Selenium webdriver with java execute test case in TestNG using “Parallel Attribute”.

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.saucedemo.com/>
3. Verify page title.
4. Verify logo.

Q.3) Print below array elements using map into the screen **(Marks 30)**
Let fruits1 = ["apple", "banana"];
Let fruits2 = ["cherry", "orange"];
Merge both fruits array and print it

Q.4) Viva **(Marks 10)**

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Q.1) Write positive and negative test cases for ATM machine.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.google.com/>
3. Get the URL <https://firefox.com/>
4. Cross browser testing is handled in Selenium TestNG.

Q.3) Create a basic todo list application: (use useReducer()) **(Marks 30)**

- a. Build a component for adding, displaying, and deleting tasks.
- b. Use state to manage the list of tasks.
- c. Add a form for users to input new tasks.
- d. Display the list of tasks and provide a button to remove them.
- e. Add a counter for the total number of tasks.

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Simple Calculator Application.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using Page Object Model(POM). **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.saucedemo.com/>
3. Login to saucedemo page Without Page Factory. (Use By() method and findElement())

Q.3) Design login form which accepts username and password(Two text box) and submit button . **(Marks 30)**

- a. On submit button click it should validate username and password and console log if its valid
- b. Validity check should be simple like username: Admin & password: Pass123
- c. If any other credentials it should say unauthorized

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Facebook Login Page.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project and add all dependencies in the pom dot xml file.
(in excel write any 10 test cases) **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.calculator.net/>
3. How to count & print hyperlinks on a web page

Q.3) Create a simple React component called Counter that displays a number and has two: buttons "Increment" and "Decrement." The number should start at 0 and change when the buttons are clicked. **(Marks 30)**

- a. Use state to manage the number.
- b. Pass the initial number as a prop to the Counter component.

Q.4 Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Gmail Login Page.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project and add all dependencies in pom dot xml file .**(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <http://www.deadlinkcity.com/>
3. How to find broken links/dead links on a web page

Q.3) Build a multi-page React application that includes two pages: "Home" and "About."
(Marks 30)

- a. Create a navigation bar with links to the "Home" and "About" pages.
- b. Implement routing using a library like React Router.
- c. Each page should have a unique URL and content(any).

Q.4) Viva **(Marks 10)**

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(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project and add all dependencies in pom dot xml file. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <http://www.deadlinkcity.com/>
3. Count number of radio buttons on a web page and create TestNG xml file

Q.3) Create a basic todo list application: (use useState()) **(Marks 30)**

- a. Build a component for adding, displaying, and deleting tasks.
- b. Use state to manage the list of tasks.
- c. Add a form for users to input new tasks.
- d. Display the list of tasks and provide a button to remove them.
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Q.1) Write positive and negative test cases for E-Commerce shopping portal Login form (like Flipkart, Amazon)(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using selenium webdriver. **(Marks 20)**
Write a javascript in Selenium webdriver with java execute test case in TestNG using “InvocationCount Attribute” is used to run a single test case but execute multiple times.

Q.3) Print below array elements using map into the screen **(Marks 30)**
Let fruits1 = ["apple", "banana"];
Let fruits2 = ["cherry", "orange"];
Merge both fruits array and print it

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for web pages of any website
College/University website.(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project and add all dependencies in pom dot xml file.**(Marks 20)**

Test Scenario.

- 1.Launch the Chrome browser.
- 2.Get the URL<https://testautomationpractice.blogspot.com/>
- 3.Verify title of the webpage
- 4.Verify the presence of the Wikipedia icon on web page
- 5.Verify the presence of Wikipedia search button web page

Q.3) Print below array elements using map into the screen **(Marks 30)**

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- b. Only print fruits it should remove bat and print it

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- Q. 1)** Write positive and negative test cases for Simple Calculator Application.
(in excel write any 10 test cases) **(Marks 10)**
- Q.2)** Create a selenium webdriver project. **(Marks 20)**
How to execute the groups at suite+test level.
- Q.3)** Create two components. **(Marks 30)**
ParentComponent
ChildComponent
a. ParentComponent passes prop as name to ChildComponent
b. ChildComponent Displays name e.g. “ Hi <name>”
- Q.4)** Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for mobile phone.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project and add all dependencies in pom dot xml file .**(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.hyrtutorials.com/p/basic-controls.html>
3. How to handle basic html controls in selenium webdriver.

Q.3) Create two components. **(Marks 30)**

ParentComponent

ChildComponent

- a. ParentComponent passes prop as name to ChildComponent
- b. ChildComponent Displays name e.g. “ Hi <name>”

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Q.2) Create a Maven project and add all dependencies in the pom xml file. **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <http://www.deadlinkcity.com/>
3. Count no.of radio buttons on a web page and create TestNG xml file

Q.3) Create a basic todo list application: (use useState()) **(Marks 30)**

- a. Build a component for adding, displaying, and deleting tasks.
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Test Scenario.

1. Launch the Chrome browser.
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3. Download a file in the Selenium Project.

(Marks 20)

Q.3) Create two components. **(Marks 30)**

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Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://garwarecollege.mespune.in/>
3. Take Screenshots using Selenium.

Q.3) Print below array elements using map into the screen . **(Marks 30)**

`const weekdays = ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday",
"Saturday", "Sunday"]`

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1. Launch the Chrome browser.
2. Get the URL <http://omayo.blogspot.com/p/page7.html>
3. Download a file in the Selenium Project.

Q.3) Implement useEffect hook and print all three lifecycle state **(Marks 10)**

- a. E.g Inside mount
- b. E.g Inside update
- c. E.g Inside unmount

Q.4) Viva **(Marks 10)**

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Q. 1) Write positive and negative test cases for Simple Calculator Application.
(in excel write any 10 test cases) **(Marks 10)**

Q.2) Create a Maven project using Page Object Model(POM). **(Marks 20)**

Test Scenario.

1. Launch the Chrome browser.
2. Get the URL <https://www.saucedemo.com/>
3. Login to saucedemo page implementation of With Page Factory.
(Use @FindBy annotation, PageFactory.initElement())

Q.3) Design login form which accepts username and password(Two text box) and submit button . **(Marks 30)**

- a. On submit button click it should validate username and password and console log if its valid
- b. Validity check should be simple like username: Admin & password: Pass123
- c. If any other credentials it should say unauthorized

Q.4) Viva **(Marks 10)**