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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Software Testing (course)Course
outlineHow does an
NPTEL
online
course
work? ()Pre-requisite
Assignment
()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 9 ()

Week 10 ()

Week 10 : Assignment 10

The due date for submitting this assignment has passed.

Due on 2022-10-05, 23:59 IST.

Assignment submitted on 2022-10-05, 20:37 IST

1) Which of the following features of static websites are tested using graphs? **1 point**

- ☒ We check if all the connections are valid and if there are any dead links.
- ☐ We check if all the information given is correct in each of the linked web pages.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*We check if all the connections are valid and if there are any dead links.*2) While testing web applications, which of the following is true regarding client-side vs. server-side testing? **1 point**

- ☒ Client and server are separated and testers typically don't have access to the server code.
- ☐ Testers have equal access to the client code and server code even though they are separated.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Client and server are separated and testers typically don't have access to the server code.*3) State yes or no: It is possible to generate all the input screens that are passed to a web application. **1 point**

- ☐ Yes.
- ☒ No.

● Testing of web Applications and Web Services (unit? unit=79&lesson=80)

● Testing of web Applications and Web Services (unit? unit=79&lesson=81)

● Testing of web Applications and Web Services (unit? unit=79&lesson=82)

● Testing of Object-Oriented Applications (unit? unit=79&lesson=83)

● Testing of Object-Oriented Applications (unit? unit=79&lesson=84)

● Practice: Week 10 : Assignment 10 (Non Graded) (assessment? name=120)

● Quiz: Week 10 : Assignment 10 (assessment? name=145)

○ Week 10 Feedback Form: Software Testing (unit? unit=79&lesson=133)

Week 11 ()

Week 12 ()

Yes, the answer is correct.

Score: 1

Accepted Answers:

No.

4) Which of the following is a list of techniques that can be used to provide test values to a web application? **1 point**

- ☐ Generate values automatically using an appropriate algorithm.
- ☐ Request user to supply inputs.
- ☒ Random choice, user session data, construct based on the domain of application.
- ☐ Generate inputs randomly and then choose based on the application.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Random choice, user session data, construct based on the domain of application.

5) Which of the following features can be checked using HTML without the need to write extra scripting constraints? **1 point**

- ☒ Change of transfer mode, checking for length of input and checking against a list of pre-defined values.
- ☐ Change of transfer mode and change of data type of input.
- ☐ Checking of inter-dependency of input values.
- ☐ Checking for length of input and also the data type.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Change of transfer mode, checking for length of input and checking against a list of pre-defined values.

6) Is a control graph model useful for testing system level properties of web applications? **1 point**

- ☐ Yes.
- ☒ No.

Yes, the answer is correct.

Score: 1

Accepted Answers:

No.

7) Which of the following is a complete list of operators that are used in component expressions? **1 point**

- ☐ Sequencing and selection.
- ☐ Iteration and selection.
- ☐ Sequencing, iteration and selection.
- ☒ Sequencing, iteration, selection and aggregation.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Sequencing, iteration, selection and aggregation.

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Materials ()**

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8) Which of the following defines the nodes of a yo-yo graph?

1 point

- ☐ Nodes of a yo-yo graph are the classes of the inheritance hierarchy.
- ☒ Nodes of a yo-yo graph are the methods of different classes, one node for each of the new, inherited and overridden methods.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Nodes of a yo-yo graph are the methods of different classes, one node for each of the new, inherited and overridden methods.

9) Which of the following best defines the edges of a yo-yo graph?

1 point

- ☒ Edges of a yo-yo graph are the method calls among methods of different classes.
- ☐ Edges of a yo-yo graph are among classes at different levels of inheritance.
- ☐ Edges of a yo-yo graph are from a caller method to a callee method.
- ☐ Edges of a yo-yo graph are either the actual method calls or the calls that cannot be made due to overriding.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Edges of a yo-yo graph are either the actual method calls or the calls that cannot be made due to overriding.

10) State true or false: All the faults in object-oriented programs can be determined statically.

1 point

- ☐ True.
- ☒ False.

Yes, the answer is correct.

Score: 1

Accepted Answers:

False.