

Assessment sub  
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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Software Testing (course)**



Course  
outline

How 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 ()

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

# Thank you for taking the Week 10 : Assignment 10.

## Week 10 : Assignment 10

Your last recorded submission was on 2022-10-05, 20:37 Due date: 2022-10-05, 23:59 IST. 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.
- 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 accesss to the client code and server code eventhough they are separated.
- 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.
- 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.
- 5) Which of the following features can be checked using HTML without the need to write extra scripting constraints? **1 point**

## Assessment submitted.

X

● 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 ()**

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- ☒ 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.

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

- ☐ Yes.
- ☒ 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.

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.

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.

10) State true or false: All the faults in object-oriented programs can be determined statically. **1 point**

- ☐ True.
- ☒ False.

You may submit any number of times before the due date. The final submission will be considered for grading.

**Submit Answers**