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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**[Announcements \(announcements\)](#)   **[About the Course \(https://swayam.gov.in/nd1\\_noc20\\_cs08/preview\)](https://swayam.gov.in/nd1_noc20_cs08/preview)**[Ask a Question \(forum\)](#)   [Progress \(student/home\)](#)   [Mentor \(student/mentor\)](#)

## Unit 12 - Week 10 :

### Course outline

How does an NPTEL online course work?

Week 0 :

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

☐ Lecture 46 :  
Demonstration-

## Assignment 10

The due date for submitting this assignment has passed. **Due on 2020-04-08, 23:59 IST.**

Assignment submitted on 2020-04-08, 22:42 IST

1) 1 point

Which of the following package contains classes and interfaces for networking?

- a. java.io
- b. java.util
- c. java.net
- d. javax.swing

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

2) 1 point

XVII (unit?  
unit=11&lesson=60)

☐ Lecture 47 :  
Demonstration-  
XVIII (unit?  
unit=11&lesson=61)

☐ Lecture 48 :  
Networking with  
Java (unit?  
unit=11&lesson=62)

☐ Lecture 49 :  
Demonstration-  
XIX (unit?  
unit=11&lesson=63)

☐ Lecture 50 :  
JDBC—I (unit?  
unit=11&lesson=64)

☒ **Quiz :**  
**Assignment 10**  
**(assessment?**  
**name=173)**

☐ Java Week 10:  
Q1  
(/noc20\_cs08/progassignr  
name=174)

☐ Java Week 10:  
Q2  
(/noc20\_cs08/progassignr  
name=175)

☐ Java Week 10:  
Q3  
(/noc20\_cs08/progassignment?  
name=176)

☐ Java Week 10:  
Q4  
(/noc20\_cs08/progassignment?  
name=179)

☐ Java Week 10:  
Q5  
(/noc20\_cs08/progassignr  
name=180)

☐ Feedback For  
Week 10 (unit?  
unit=11&lesson=188)

**Week 11 :**

**Week 12 :**

**DOWNLOAD**  
**VIDEOS**

**In the following, which are the protocol follows connection less service?**

- a. TCP
- b. TCP/IP
- c. UDP
- d. HTTP

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:  
c.

3)

**1 point**

**Which of the following statement(s) is(are) NOT true?**

- a. TCP is a reliable but slow.
- b. UDP is not reliable but fast.
- c. File Transfer Protocol (FTP) is a standard Internet protocol for transmitting files between computers on the Internet over TCP/IP connections.
- d. In HTTP, all communication between two computers are encrypted.

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:  
d.

4)

**1 point**

**In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?**

- a. The ServerSocket class
- b. The Socket class
- c. The InetAddress class
- d. The Connection interface

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

**Assignment  
Solution****Books****Live Interactive  
Session**

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

5)

**1 point**

**Which of the following statement(s) is(are) TRUE?**

- a. With stream sockets, there is no need to establish any connection and data flows between the processes as continuous streams.
- b. Stream sockets are said to provide a connection-less service and it follows UDP protocol.
- c. Datagram sockets are said to provide a connection-oriented service and it follows TCP protocol.
- d. With datagram sockets there is no need to establish any connection and data flows between the processes as packets.

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

6)

**1 point**

**The Swing Component classes that are used in Encapsulates a mutually exclusive set of buttons?**

- a. AbstractButton
- b. ButtonGroup
- c. JButton
- d. ImageIcon

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

**1 point**

**Which of the following way is used to create a frame by creating the object of Frame class?**

- a. inheritance
- b. association
- c. Both A & B
- d. None of the above

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

8)

**1 point**

**Once a JDBC driver has been registered, which of the following method is used to make a database connection?**

- a. getConnection(String url, String userID, String password)
- b. setConnection(String url, String userID, String password)
- c. Connect(String url, String userID, String password)
- d. Any one of the above.

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

9)

**1 point**

**Which of the following best describes about JDBC?**

- a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application.
- b. JDBC is a software component, which is both network and database independent.
- c. JDBC should be installed in the same machine from where the Java application will run.
- d. JDBC should be installed in the same server that of the database.

- ☒ a.
- ☐ b.

☐ c.☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

10)

**1 point**

**Which of these is a protocol for breaking and sending packets to an address across a network?**

a. TCP/IP

b. DNS

c. Socket

d. Proxy Server

☒ a.☐ b.☐ c.☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.