

Section 1

1) Which Operator can be used to Perform the task of if-else control statement?

- a.Ternary Operator
- b.Unary Operator
- c.Logical Operator
- d.BitWise Operator

Ans:- a) Ternary operator

2) What does the escape sequence “\r”

indicates? a.new line

- b.bell
- c.form feed
- d.carriage return

Ans:- d) carriage return

3) Which of the following is NOT a mechanism for information holding in java?

- a.Access Modifiers
- b.Encapsulation
- c.Abstraction d.Inheritance

Ans:- d) Inheritance

3) This code creates a HashMap object with key-value pairs of integer and String types and prints its values and size. What is the output for the program

```
Import java.util.HashMap;  
Public class HashMapSize{  
Public static void main(string args[])  
{
```

```

HashMap <Integer,String> mpObj = new HashMap<Integer,string>();
mpObj.put(10,"I");
mpObj.put(10,"Like");
mpObj.put(10,"Java");
mpObj.put(10,"Code");
System.out.println("Values of hashMap :"+mpObj);
System.out.println("Values of hashMap :"+mpObj.size());

}
}

```

a. size of hashmap:3

b. Values of hashmap {20=java,10=I,30=Code}
Size of Hashmap:3

c. values of hashmap{20=java,10=I,30=Code}

d. Values of
hashmap:{20=java,10=I} Size of
hashmap:3

Ans:-b) Values of hashmap {20=java,10=I,30=Code}
Size of Hashmap:3

4) what are the methods that are present in the Comparable interface the

java.lang.package? a.int compare(Object obj1,object obj2)

b.int compareTo(Object obj)

c.boolean equals(Object obj)

d.void sort(Object obj)

Ans:- b) int compareTo(Object obj)

5) int [] n = new int[25];

What exception is thrown if you access the index greater than 25 for the above code?

a.Airthmeticexception

b.ArrayIndexOutOfBoundsException

c.NullPointerException

d.NumberFormatException

Ans:- b) ArrayIndexOutOfBoundsException

- 6) This code access the characters of the string and prints to the console .
What will be the output for following code

```
Public class test{
Public static void main(String args[])
{
String name="CHALLENGE";
Try{
Char ch name.charAt(2);
System.out.println("Character @ index 2="+ch);
Char ch name.charAt(9);
System.out.println("Character @ index 2="+ch);

}catch(Exception e){
System.out.println("exception Occured");
System.out.println("toString()-"+e.toString());

}
System.out.println("Application Compeleted");

}
}
```

a. Character @
index 2=L Exception
Occurred
toString()-Java.lang.ArrayIndexOutOfBoundsException String index out of range 9 Application
Completed!

b.Character @ index 2=L
Exception Occurred
toString()-Java.lang.NullPointerException String index out of range 9
Application Completed!

c.Character @ index 2=L
Exception Occurred
toString()-Java.lang.StringIndexOutOfBoundsException String index out of range 9 Application
Completed!

d.Character @ index 2=H
Character @ index 9=E
Application Completed!

Ans:- C)

Character @ index 2=L

Exception Occurred

toString()-Java.lang.StringIndexOutOfBoundsException String index out of range 9 Application Completed!

7) Which of the following is a correct constructor for the FileInputStream class in

java? a.FileInputStream(int buffersize)

b. FileInputStream(file file)

c.FileInputStream(String fileName)

d.1.FileInputStream(string filename,int buffersize)

Ans:-b) FileInputStream(file file)

8) Which of the following options is the most recommended way of creating a thread in

java? a.By extending the java.lang.Thread class

b.by implementing the java.lang.Runnable interface

c.By using an anonymous inner class that implementing the java.alng.Runnable interface

d.By using a lamda expression that impelemens the java.lang.Runnable interface

Ans:-b) by implementing the java.lang.Runnable interface

9) What basis does a service provider selectors a thread to assign a task from thread pool?

a.The service provider selectors a thread based on the priority of the task.

b.the service provider selectors a thread randomly from the thread pool.

c.the service provider selectors a thread with the least workload from the thread pool. d.the

service provider selectors a thread based on the specific characteristic of each thread.

Ans:-

10) This code reads the contents of a text file with the file path "example.txt" prints each line of the file to the console.

Which statement is not necessary in below code .

```
1.import java.io.*;
2.public class readTextzFile{
3.    public static void main(String
args[]){ 4.String filepath =
"example.txt";
5.try(BufferedReader br = new BufferedReader(new FileReader(filepath))){
6.String line;
7.while((line==br.readLine())!=null)){
8.System.out.println(line); 9.br.close();
10.}catch(IOException e){
11.e.printStackTrace(); 12.}
13.}
14.}
```

a. //e.printStackTrace();

Prints call stack details like class

Name,method name program name and line number in the exception

b.//(BufferedReader br = new BufferedReader(new FileReader(filePath)))

Resource specification should be within the try block v.//br.close();

Code uses the try-with-resources statement which automatically closes the resources d.//String

filePath = "example.txt";

Not neccessary to specify the filepath

Ans:- c) //br.close();

Code uses the try-with-resources statement which automatically closes the resources

Section 2

1) which one of the following is jdbc driver is also called as Java Net Protocol driver has the independent access remote listener?

- a) Type 4 driver
- b) Type 1 driver
- c) Type 2 driver
- d) Type 3 driver

Ans:- d) Type 3 driver

2) Which of the following Rowset is used to display the tabular data that is utilised and allows communication between the tyre and components for those whose connection is not active?

- a)Cache RowSet
- b)JDBC RowSet
- c) Web RowSet
- d) Filtered

RowSet **Ans:- a) Catch**

RowSet

3) Which is the correct order to process the stored procedure sql statement for Callable statement interface ?

- A) a.Establish the connection.
 - b. Create the callable statement from the Connection object.
 - c. Execute the stored procedure query.
 - d. Try with resources Statement and close the JDBC Resources.
- B) a. Establish the connection.
 - b. Try with resources Statement and close the JDBC Resources.
 - c. Create the callable statement from the Connection object.
 - d. Execute the stored procedure query
- C) a. Establish the connection.
 - b. Create the callable statement from the Connection object.
 - c. Execute the stored procedure query. d. Try with resources Statement and close the JDBC Resources.
 - d. Try with resources Statement and close the JDBC Resources.
- D) a.Establish the connection.
 - b. Create the callable statement from the Connection object.
 - c. Execute the stored procedure query.
 - d. Try with resources Statement and close the JDBC Resources.

Ans:- A) a.Establish the connection.
b. Create the callable statement from the Connection object.
c. Execute the stored procedure query.

d. Try with resources Statement and close the JDBC Resources.

4) Which is not true about Request Dispatcher in forward() command?

- a) It is the method of RequestDispatcher interface and which is used for including the respective resource to the response.
- b) It is basically used to transfer the control to another web component completely.
- c) When the request is forwarded then the respective requested URL is get set to the path of the forwarded page.
- d) In the servlet if we are using the PrintWriter or ServletOutputStream object then we can't use this method.

Ans:- d) In the servlet if we are using the PrintWriter or ServletOutputStream object then we can't use this method.

5) Which one of the following method under ServletRequest method is used to return the enumeration containing the name of the attribute?

- a) getAttribute()
- b) getAttributeNames()
- c) getParameterValues()
- d) getServerName()

Ans:- b) getAttributeNames()

6) To which packages of the Servlet API do the interfaces "FilterConfig" and "FilterChain" belong?

- a) javax.servlet.annotation.*
- b) javax.servlet.http.*
- c) javax.servlet.*
- d) javax.servlet.http.*

Ans:- c) javax.servlet.*

7) Which one of the following is the correct expression tag used in JSP?

- a) <="/the project is moved to jsp">
- b) <=& "the project is moved to jsp" &>
- c) <= "the project is moved to jsp">
- d) <%= "the project is moved to

jsp"%> Ans:- d) <%= "the project is moved to

jsp"%>

8) Which component in MVC architecture is responsible for the following tasks:

- a. Data Maintenance
- b. Schema of data definition
- c. Data Storage

- a) Java bean
- b) View layer
- c) Model
- d) Contr

oller Ans:- c) Model

9) Which one of the following JSTL tag is used for retrieving the relative or absolute URL and used to expose the content to page?

- a) <c:redirect>
- b) <c:import>
- c) <c:catch>
- d) <c:

url> Ans:- d)

<c:url>

Section 3

1) What is the command used to create a new repository in Git?

- a) \$git add
- b) \$git init
- c) \$git start
- d) \$git

new Ans:- b) \$git

init

2) On what port does the Jenkins master run by default? a) 8080

- b) 8083
- c) 8081
- d) 8085

Ans:- a) 8080

Section 4

1) What is the output for the following code?


```

INSERT INTO EMPLOYEE VALUES (0001, 'Clark', 'Sales'); INSERT
INTO EMPLOYEE VALUES (0002, 'Dave', 'Accounting'); INSERT
INTO EMPLOYEE VALUES (0003, 'Ava', 'Sales'); SELECT FROM
EMPLOYEE WHERE dept != 'Sales';
SELECT SUBSTRING('foobarbar' from 4);
SELECT RPAD('MySQL',7,*);
SELECT PI0/2;

```

a) Dave Accounting
SUBSTRING('foobarbar' from 4)
foob
RPAD('MySQL',7,*)
MySQL***
PI0/2
1.57

b) 2 Dave Accounting
SUBSTRING(foobarbar from 4)
foo
RPAD('MySQL',7,*)
MySQL**
PI0/2
1

c) empld name
dept 2 Dave
Accounting
SUBSTRING(foobarbar from 4)
barbar
RPAD('MySQL',7,*)
MySQL** PI0/2
1.5707963268

d) Error

Ans:- a) Dave Accounting
SUBSTRING('foobarbar' from 4)
foob
RPAD('MySQL',7,*)
MySQL***
PI0/2
1.57

2) Give the output for the following code.

```
CREATE TABLE EMPLOYEE(  
  empld INTEGER PRIMARY KEY,  
  name TEXT NOT NULL,  
  dept TEXT NOT NULL,  
  age int NOT NULL  
);  
INSERT INTO EMPLOYEE VALUES (0001,'Clark','Sales',18); INSERT  
INTO EMPLOYEE VALUES (0002,'Dave','Accountings',19); INSERT  
INTO EMPLOYEE VALUES (00031,'Ava','Sales',50);  
SELECT name,age  
FROM EMPLOYEE;  
SELECT *FROM CUSTOMERS_VIEW; UPDATE  
CUSTOMERS_VIEW  
SET AGE=36  
WHERE name='Ava';  
SELECT *FROM CUSTOMERS_VIEW;  
DELETE FROM CUSTOMERS_VIEW  
WHERE age=19;  
SELECT *FROM CUSTOMERS_VIEW;  
DROP FROM CUSTOMERS_VIEW;
```

a) Cla
 rk 18 Ava
 35

b) nam
 e age Clark
 18 Dave 19
 Ava 50
 name age
 Clark 18
 Dave 19
 Ava 35
 name age
 Clark 18
 Ava 35

c) Cla
 rk 18
 Dave 19
 Ava 50
 nameage
 Clark 18
 Dave 19
 Ava 35

name age
Clark 18
Ava 35

d) Cla
rk 18
Dave 19
Ava 50
Clark 18
Dave 19
Ava 50
Clark 18
Ava 50

ANSWER :-

3) What is name of the Table that contains the reference Key used for Constraints?

- a) Child Table
- b) Parent Table
- c) Support Table
- d) Root Table

ANSWER : b) Parent Table

4) Which of the following is correct Command for writing the Time Intervals in Oracle

- a) SELECT TIME LITERAL '1997-01-31 09:26:50.124'+ '11:12:10.22222222' HOURS TO SECOND(7)FROM 31-JAN-97 08:39:00.346222200 PM
- b) SELECT TIMESTAMP '1997-01-31 09:26:50.124'+LIMIT '11:12:10.22222222' HOURS TO SECOND FROM DUAL 31-JAN-97 08:39:00.346222200 PM
- c) SELECT TIMESTAMP '1997-01-31 09:26:50.124'+INTERVAL '11:12:10.22222222' HOURS TO SECOND(7)FROM DUAL 31-JAN-97 08:39:00.346222200 PM
- d) SELECT TIMESTAMP '1997-01-31 09:26:50.124'+INTERVAL '11:12:10.22222222' FROM 31-JAN-97 08:39:00.346222200 PM

ANSWER: c)

5) Which model helps in visual representation of data objects using relational databases

- ? a)Regular data model
b)SQL model
c) Entity relation
model d)Relational
model

ANSWER:c)Entity relation model

6) Which type of triggers in Oracle PLSQL can be executed only once for all rows in the transaction statement

- a) Lock level
- b) Column level
- c) Row level
- d) Statement level

ANSWER: d)Statement level

7) Which of the following DML statements can be used to replace old data with new data without disturbing its structure

- a) DELETE
- b) REMOVE
- c) DROP
- d) TRUNCATE

ANSWER: d)TRUNCATE

SECTION 5:

1. Which of the following is true regarding backlinks ?

- a) increase site popularity by factoring text into google algorithm on deciding importances
- b) Finds user interests by factoring text into google algorithm and gives readable messages
- c) Increases site popularity by bookmarking and storing in database on deciding importances
- d) Finds user behaviour by using cookies to supply websites on user interests

ANSWER: a)

2. Which one of the following is an example of paired tag in HTML ? a)<title>

- b) <
- c)

- d)

ANSWER: a)<title>

3. What is the output of the code given below ?

```
<head>
<script type='text/javascript'>
var x="250";
var y="300";
```

```

var z=x+y;
alert("The sum (contanation)of the value are:"+z);
varxyz=parseFloat(x)+parseFloat
alert("sum of the values are:'+xyz)
document .write("<BR>" +parseInt(23.348 44.218 55.405"))
document .write("<BR>" +parseFloat(" 55 aardvarks"))
</script>
</head>

```

- a)23.348 44.218 55.405
- b>alert message in dialog box with "sum of the values are:250300" 23.348
44.218 55.405
55 aardvarks
- c)White page
- d) alert message in dialog box with "sum of the values are:550" 23
55

ANSWER: b)

4)What function in javascript is used to test whether a value is a number or not ?

- a)notNan()
- b)is!Num()
- c)isFinite()
- d)isNan()

ANSWER: d)

Section 6

1) What is the problem related difference between defect and failure in manual testing 's defect management system ?

- a)Defect is identified by coders, while failure is identified by testers at testing phase
- b) Defect is identified on developers machine at development phase, while failure is identified by end users at production
- c) Defect is identified on testers at testing phase, while failure is coding related.
- d) Defect is identified on developers machine at production phase, while failure is identified by experts at development phase.

ANSWER: b)

2) Which of the following is the correct code in the public class to declare variables and objects for login details while creating a java file

- a) public string
 url="http://127.0.0.1/orangehrm-2.6/login.php" public string
 un="admin"
 public string pw="admin"
 public string txt_loginname = "txtUsername"
 public string txt_password = "txtpassword" public
 string btn_login = "submit"
 public string link_logout = "Logout"
- b) public WebDriver driver;
 url = "http://127.0.0.1/orangehrm-2.6/login.php"
 un="admin"
 pw="admin"
 txt_loginname = "txtUsername"
 txt_password = "txtpassword"
 btn_login = "submit" link_logout
 ="Logout"
- c) publi WebDriver driver
 public string url="http://127.0.0.1/orangehrm-2.6/login.php"
 public string un="admin"
 public string pw="admin"
 public string txt_loginname = "txtUsername"
 public string txt_password = "txtpassword" public
 string btn_login = "submit"
 public string link_logout = "Logout"
- d) string
 url="http://127.0.0.1/orangehrm-2.6/login.php" string
 un="admin"
 string pw="admin"
 string txt_loginname = "txtUsername"
 string txt_password = "txtpassword" string
 btn_login = "submit"
 string link_logout = "Logout"

ANSWER: a)

