



OBJECT ORIENTED PROGRAMMING WITH JAVA

Assignment12

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark: $10 \times 1 = 10$

QUESTION 1:

Which statement is incorrect in case of using “this” keyword in a static method?

- a. “this” keyword can be used in static method to access static variables only
- b. “this” keyword first needs to be defined by user
- c. “this” keyword cannot be used as a variable name
- d. “this” keyword can not be used in static method to access static variables only

Correct Answer: b, d

Detailed Solution: The “this” keyword can be used in a static method to access static variables only. It is a pre-defined keyword and hence cannot be used as a variable name.

QUESTION 2:

State whether the following statements are True or False.

- i) A catch can not have comma-separated multiple arguments.
- ii) Throwing an Exception always causes program termination.

- a. True, False
- b. False, True
- c. True, True
- d. False, False

Correct Answer: a

Detailed Solution: A catch statement can never have multiple comma-separated arguments and throwing an exception does not mean program termination, instead it offers the developer to decide what to do when an exception occurs.



QUESTION 3:

Which of the following contains only date and not time?

- a. java.io.date
- b. java.sql.date
- c. java.util.date
- d. java.util.dateTime

Answer: b

Explanation: java.util.date contains both date and time. Whereas, java.sql.date contains only date.

QUESTION 4:

Why the applets are depreciated?

- a. Applet are complicated to program
- b. Applet had severe security issues
- c. Applet was replaced by AWT
- d. Applet was resource intensive

Correct Answer: b

Detailed Solution:

Applets are executed in browsers and hence pose severe security issues to the host.

QUESTION 5:

Which of the following control expressions are valid for an if statement?

- a. Any integer expression.
- b. 0 and 1 as integer.
- c. A String object.
- d. Any Boolean expression.

Correct Answer: d

Detailed Solution:

In Java *if* accepts only boolean expression.



QUESTION 6:

Consider the following program:

```
String animal = "GOAT";  
switch(animal){  
    break: System.out.println("DOMESTIC");  
}
```

What is the output of the Java program given above?

- a. No output
- b. GOAT
- c. DOMESTIC
- d. Compiler error

Correct Answer: d

Explanation:

Case statements should start with either "case" or "default" only.

QUESTION 7:

Consider the following program:

```
public class Question  
{  
    public static void main(String[] args) {  
        String str = "january java nptel."  
        System.out.println(str.charAt(7)+str.substring(9,  
14));  
    }  
}
```



What is the output of the following program?

- a. java
- b. ava
- c. y java
- d. ava n

Correct Answer: d

Detailed Solution: The substring method is used to get a part of the string as per the range parameters.

QUESTION 8:

Which of the following are correct statement for array declaration?

- a. `float[] = new float(3);`
- b. `float f2[] = new float[];`
- c. `float[] f1 = new float[3];`
- d. `float f3[] = new float[3];`

Correct Answer: c, d

Detailed Solution:

Option (c) and (d) are syntactically correct for declaration of an array whereas (a), (b) will cause error.

QUESTION 9:

Consider the following piece of code in Java.

```
public class Test {  
    public static void aMethod() throws Exception {  
        try {  
            throw new Exception();  
        }  
        finally {  
            System.out.print("finally ");  
        }  
    }  
    public static void main(String args[]){  
        try {  
            aMethod();  
        }  
    }  
}
```



```
catch (Exception e) {  
    System.out.print("exception ");  
} finally {  
    System.out.print("finally ");  
}  
  
System.out.print("finished ");  
}  
}
```

What is the result, if the above-mentioned program is executed?

- a. finally
- b. finally exception finally finished
- c. finally exception finished
- d. Compilation fails

Correct Answer: b

Detailed Solution:

The program is syntactically correct and here for two try blocks.

QUESTION 10:

Which is a component in AWT that can contain another components like buttons, textfields, labels etc.?

- a. Window
- b. Panel
- c. Container
- d. Frame

Correct Answer: c

Detailed Solution:

The Container is a component in AWT that can contain another components like buttons, textfields, labels etc. The classes that extends Container class are known as container such as Frame, Dialog and Panel.

*****END*****