

AMRITSAR GROUP OF COLLEGES

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NBA Accredited (2009-12, 2016-18)

Course Name - Programming in Java

Course Code-ACCS-16501

Question 1

```
class MCZ11 {  
    public static void main (String[] args) {  
        char a = '\\c'; // 1  
        char b = '\\r'; // 2  
        char c = '\\\"'; // 3  
        char d = '\\b'; // 4  
        char e = '\\\"'; // 5  
    }  
}
```

A compile-time error is generated at which line?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. None of the above
-

Question 2

```
class GFM11{  
    public static void main (String[] args) {  
        int x,y,z;  
        System.out.println(x+y+z);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints nothing.
- b. Prints an undefined value.
- c. Prints: null
- d. Prints: 0

- e. Run-time error
 - f. Compile-time error
 - g. None of the above
-

Question 3

```
class MCZ27 {  
    public static void main (String[] args) {  
        char a = '\\f'; // 1  
        char b = '\\n'; // 2  
        char c = '\\r'; // 3  
        char d = '\\l'; // 4  
        char e = '\\\\'; // 5  
    }  
}
```

A compile-time error is generated at which line?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. None of the above
-

Question 4

```
class GRC4 {public static void main(String[] args) {}} // 1  
class GRC5 {public static void main(String []args) {}} // 2  
class GRC6 {public static void main(String args[]) {}} // 3
```

What is the result of attempting to compile and run the above programs?

- a. Compile-time error at line 1.
 - b. Compile-time error at line 2.
 - c. Compile-time error at line 3.
 - d. An attempt to run GRC4 from the command line fails.
 - e. An attempt to run GRC5 from the command line fails.
 - f. An attempt to run GRC6 from the command line fails.
 - g. None of the above
-

Question 5

```
class MCZ28 {  
    public static void main (String[] args) {  
        char a = '\\b'; // 1  
        char b = '\\d'; // 2  
        char c = '\\f'; // 3  
        char d = '\\t'; // 4  
        char e = '\\\"'; // 5  
    }  
}
```

A compile-time error is generated at which line?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. None of the above
-

Question 6

```
class GRC7 {public void main(String[] args) {}} // 1  
class GRC8 {public void main(String []args) {}} // 2  
class GRC9 {public void main(String args[]) {}} // 3
```

What is the result of attempting to compile and run the above programs?

- a. Compile-time error at line 1.
 - b. Compile-time error at line 2.
 - c. Compile-time error at line 3.
 - d. An attempt to run GRC7 from the command line fails.
 - e. An attempt to run GRC8 from the command line fails.
 - f. An attempt to run GRC9 from the command line fails.
-

Question 7

```
class MCZ29 {  
    public static void main (String[] args) {  
        char a = '\\a'; // 1  
        char b = '\\b'; // 2  
        char c = '\\f'; // 3  
    }  
}
```

```
        char d = '\n';    // 4
        char e = '\r';    // 5
    }}
```

A compile-time error is generated at which line?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. None of the above
-

Question 8

```
class MCZ30 {
    public static void main (String[] args) {
        char a = '\t';    // 1
        char b = '\\';    // 2
        char c = '\?';    // 3
        char d = '\"';    // 4
        char e = '\'';    // 5
    }}
```

A compile-time error is generated at which line?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. None of the above
-

Question 9

Which of these words belongs to the set of Java keywords?

- a. qualified
- b. record
- c. repeat
- d. restricted

- e. label
 - f. to
 - g. type
 - h. until
 - i. value
 - j. virtual
 - k. xor
 - l. None of the above
-

Question 10

```
class JJF1 {  
    public static void main (String args[]) {  
        System.out.print(Byte.MIN_VALUE+",");  
        System.out.print(Byte.MAX_VALUE);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 0,255
 - b. Prints: 0,256
 - c. Prints: -127,128
 - d. Prints: -128,127
 - e. Compile-time error
 - f. Run-time error
 - g. None of the above
-

Question 11

```
class GRC1 {public static void main(String[] args) {}} // 1  
class GRC2 {protected static void main(String[] args) {}} // 2  
class GRC3 {private static void main(String[] args) {}} // 3
```

What is the result of attempting to compile each of the three class declarations and invoke each main method from the command line?

- a. Compile-time error at line 1.
- b. Compile-time error at line 2.
- c. Compile-time error at line 3.
- d. An attempt to run GRC1 from the command line fails.

- e. An attempt to run GRC2 from the command line fails.
 - f. An attempt to run GRC3 from the command line fails.
-

Question 12

```
class JJF2 {  
    public static void main (String args[]) {  
        System.out.print(Short.MIN_VALUE+", ");  
        System.out.print(Short.MAX_VALUE);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: -32767,32768
 - b. Prints: -32768,32767
 - c. Prints: 0,65535
 - d. Prints: 0,65536
 - e. Compile-time error
 - f. Run-time error
 - g. None of the above
-

Question 13

```
class JJF3 {  
    public static void main(String args[]) {  
        System.out.print(Integer.toBinaryString(Byte.MAX_VALUE)+" ");  
        System.out.print(Integer.toOctalString(Byte.MAX_VALUE)+" ");  
        System.out.print(Integer.toString(Byte.MAX_VALUE)+" ");  
        System.out.print(Integer.toHexString(Byte.MAX_VALUE));  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 1111111,177,127,7f
 - b. Prints: 11111111,377,256,ff
 - c. Compile-time error
 - d. Run-time error
 - e. None of the above
-

Question 14

```
class JJF4 {  
    public static void main(String args[]) {  
        System.out.print(Long.toHexString(Byte.MAX_VALUE)+" ");  
        System.out.print(Long.toHexString(Character.MAX_VALUE)+" ");  
        System.out.print(Long.toHexString(Short.MAX_VALUE));  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: f,ff,7f
 - b. Prints: f,ff,ff
 - c. Prints: 7f,ffff,7fff
 - d. Prints: ff,ffff,ffff
 - e. Prints: 7fff,ffffff,7ffff
 - f. Prints: ffff,ffffff,ffffff
 - g. Compile-time error
 - h. Run-time error
 - i. None of the above
-

Question 15

```
class JJF5 {  
    public static void main(String args[]) {  
        System.out.print(Integer.toHexString(Integer.MIN_VALUE)+" ");  
        System.out.print(Integer.toHexString(Integer.MAX_VALUE));  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 0000,ffff
 - b. Prints: 00000000,ffffff
 - c. Prints: 7fff,8000
 - d. Prints: 8000,7fff
 - e. Prints: 7ffffff,80000000
 - f. Prints: 80000000,7ffffff
 - g. Compile-time error
 - h. Run-time error
 - i. None of the above
-

Question 16

Which of these words belong to the set of Java keywords?

- a. transient
 - b. serializable
 - c. runnable
 - d. run
 - e. volatile
 - f. externalizable
 - g. cloneable
-

Question 17

```
class GFM12 {  
    static int x;                                // 1  
    public static void main(String[] args) {    // 2  
        int y;                                  // 3  
        System.out.println("x="+x);           // 4  
        System.out.println("y="+y);           // 5  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Compile-time error at line 1.
 - b. Compile-time error at line 2.
 - c. Compile-time error at line 3.
 - d. Compile-time error at line 4.
 - e. Compile-time error at line 5.
 - f. Run-time error
 - g. None of the above
-

Question 18

```
class GFM13 {  
    static byte a; static short b; static char c;  
    static int d; static long e; static String s;  
    public static void main(String[] args) {  
        System.out.println(a+b+c+d+e+s);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 00000null
 - b. Prints: 00000
 - c. Prints: 0null
 - d. Prints: 0
 - e. Prints: null
 - f. Compile-time error
 - g. Run-time error
 - h. None of the above
-

Question 19

```
class GFM14 {  
    static byte a; static short b; static char c;  
    static int d; static long e; static String s;  
    public static void main(String[] args) {  
        System.out.println(a+", "+b+", "+(int)c+", "+d+", "+e+", "+s);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 0,0,0,0,0,null
 - b. Prints: 0,0,0,0,0,
 - c. Prints: 0,0, ,0,0,
 - d. Compile-time error
 - e. Run-time error
 - f. None of the above
-

Question 20

```
class GFM15 {  
    static int a; static float b; static double c;  
    static boolean d; static String s;  
    public static void main(String[] args) {  
        System.out.println(a+", "+b+", "+c+", "+d+", "+s);  
    }  
}
```

What is the result of attempting to compile and run the program?

- a. Prints: 0,0,0,false,null
- b. Prints: 0,0,0,false,
- c. Prints: 0,0.0,0.0,false,null

- d. Prints: 0,0.0,0.0,false,
 - e. Prints: 0,0.0,0.0,true,null
 - f. Prints: 0,0.0,0.0,true,
 - g. Prints: 0,0,0,true,null
 - h. Prints: 0,0,0,true,
 - i. Compile-time error
 - j. Run-time error
 - k. None of the above
-

Question 21

Which of these words belong to the set of Java keywords?

- a. virtual
 - b. goto
 - c. ifdef
 - d. typedef
 - e. friend
 - f. struct
 - g. implements
 - h. union
 - i. const
-

Question 22

Which of these lists contains at least one word that is not a Java keyword?

- a. abstract, default, if, private, this
 - b. do, implements, protected, boolean, throw
 - c. case, extends, int, short, try
 - d. import, break, double, exception, throws
 - e. byte, else, instanceof, return, transient
 - f. None of the above
-

Question 23

Which of these lists contains at least one word that is not a Java keyword?

- a. interface, static, void, catch, final
 - b. char, strictfp, finally, long, volatile
 - c. native, super, class, float, while
 - d. const, for, new, switch, import
 - e. continue, finalize, goto, package, synchronized
 - f. None of the above
-

Question 24

```
class Identifiers {  
    int i1;    // 1  
    int _i2;   // 2  
    int i_3;   // 3  
    int #i4;   // 4  
    int $i5;   // 5  
    int %i6;   // 6  
    int i$7;   // 7  
    int 8i;    // 8  
}
```

Compile-time errors are generated at which lines?

- a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. 6
 - g. 7
 - h. 8
-