

1. In which part of memory area, variable myVar and s1 written in my main () get their memory?

```
class Student
{
    int rollNum;
}
public class Test
{
    public static void main(String[] args) {
        int myVar;
        Student s1;
    }
}
```

- A. Heap, Heap
B. Heap, Stack
C. Stack, Heap
D. none of the mentioned
2. Which component of JVM is accountable to optimize byte-code into machine code?
- A. JVM
B. JIT
C. JDK
D. JRE
3. Given that Person is a class, how many objects and reference variables are created by the following code?

```
Person personName, personId;
personName = new Person();
Person pers_class = new Person();
```

- A. Three reference variables and two objects are created.
B. Two reference variables and two objects are created.
C. One reference variable and two objects are created.
D. Three reference variables and three objects are created.
4. Which of these is an incorrect array declaration?
- A. int arr[] = new int[5]
B. int [] arr = new int[5]
C. int arr[] = int new [5]
D. none

5. Which below statement should through an error?

1. int [] [] arr = new int [] [].
2. int [] [] arr = new int [4] [].
3. int [] [] arr = new int [] [5].
4. int [] [] arr = new int [3] [4]

- A. 1, 3 and 4
B. 1, 2 and 3

- C. 1 and 3
- D. 2 and 4

6. What is the output of the following Java Code?

```
int a=9;  
float b = a/2;  
System.out.println(b);
```

- A. 4.0
- B. 4.5
- C. 5.0
- D. none of the above

7. What is the output of the below Java code snippet?

```
float a = 8.2/2;  
System.out.println(a);
```

- A. 4.1
- B. 4.0
- C. 4
- D. compiler error

8. What is the output of the below Java code snippet?

```
char c = 'A';  
int b = c + 1;  
c = (char)b;  
System.out.println(c);
```

- A. compiler error
- B. B
- C. 65
- D. A

9. public class MyClass

```
{  
    int var_;  
    public static void main(String[] args) {  
        var_=var_+1;  
        System.out.println(var_);  
    }  
}
```

- A. compiler error
- B. 0
- C. 1
- D. garbage value

10. What is reference to an object?

- A. It is address of where the variables and methods of object are stored
- B. It is pointer having address of an object
- C. It is address of only variables and not the methods of an object
- D. Address of an object

11. What is the return type of Constructors?

- a) int
- b) float
- c) void
- d) None of the mentioned

12. Which keyword is used by method to refer to the object that invoked it?

- a) import
- b) public
- c) this
- d) private

13. Which of the following is a method having same name as that of its class?

- a) main()
- b) constructor
- c) class
- d) recursion

14. Which function is used to perform some action when the object is to be destroyed?

- a) finalize()
- b) delete()
- c) main()
- d) None of the mentioned

15. What is process of defining two or more methods within same class that have same name but different parameters declaration?

- a) method overriding
- b) method overloading
- c) method hiding
- d) None of the mentioned

16. Which of these access specifiers must be used for main() method?

- a) private
- b) protected
- c) public
- d) None of the mentioned

17. Which of these is used to access member of class before object of that class is created?

- a) public
- b) private
- c) this
- d) static

18.

```
class StaticEx
{   static int x=0;
    static int y=0;
    void add(int a, int b){           x = a + b;
                                    y = x + b;
                                    }
}
class staticDemo
{   public static void main(String args[])
    {   StaticEx bj1 = new StaticEx();
        StaticEx obj2 = new StaticEx();
        int a = 2;
        obj1.add(a, a + 1);
    }
```

```
System.out.println(obj1.x + " " + obj2.y);
obj2.add(5, a);
```

```
System.out.println(obj1.x + " " + obj2.y);
}}
```

6. 5,6 b) 5,8 c) 7,9 d) 0,0

19. JVM stands for

- E. Java Verified Machine
- F. Java Virtual Machine
- G. Java Very large Machine
- H. Java Very small Machine

20.

```
class Test {
    int a;
    int b;
    Test(int i, int j) {
        a = i; b = j;    }
    void meth(Test o) {
        Test ob = new Test(o.a,o.b);
        ob.a= ob.a*10;
        ob.b = ob.b/20;
        System.out.print(ob.a + " " + ob.b);
    }
}
class Output {
    public static void main(String args[])
    {
        Test obj = new Test(10 , 20);
        obj.meth(obj);
        System.out.println(obj.a + " " + obj.b);
    }
}
```

a) 100 1, 10 20 b) 20 10, 10 20 c) 10 20,20 10 d) 100 10, 10, 20

Answer Key

1. D
2. B
3. A
4. C
5. C
6. A
7. D
8. B
9. A
10. A
11. d
12. c
13. b
14. a
15. b
16. c
17. d
18. c
19. b
20. a