

GLS UNIVERSITY

BCA SEM IV

0301401 CORE JAVA

UNIT -2 ASSIGNMENT

Q.1 Fill in the Blanks -

1. _____ loops are only used with arrays.
2. _____ constructor is added by JVM automatically if no constructor is defined in a class.
3. The _____ collector frees the memory periodically that is no longer needed.
4. Static variables are also known as _____ variable.
5. _____ method access static variables.
6. _____ keyword is used to create object in java.
7. Constructor name is same as _____ name.
8. There are _____ types of variables in JAVA.
9. There are two types of method, instance methods and _____.
10. By default class access specifier is _____ type.
11. _____ method used to invoke garbage collector in code.
12. _____ constructor is automatically created.
13. If a class have multiple methods by same name but different parameters, such methods are known as _____.

Q.2 True False -

1. In java new keyword is used to create object.
2. Return type of method doesn't impact on method overloading.
3. Constructor doesn't have any return type.
4. Name of the class and constructor name should be same.
5. Parametrised constructor does not have any arguments.
6. Static variables share the same memory throughout the program.
7. Final variables can be modified by any function.
8. This keyword refers to current object.
9. Command line arguments are passed at compile time.
10. Java support pointers.

11. Instance variable is declared inside the class and outside method.
12. Static variable is also known as class variable.
13. Object class is class available in java in java.util package.
14. Instance Variable is also known as local variable.
15. Vector class is available in java.util package.

Q.3 Answer the following in brief-

1. What do you understand by for each loop? Explain with example.
2. What is constructor? Explain default constructor with example.
3. Write short note on parametrised constructor with example.
4. What is Constructor overloading? Explain with example.
5. Write short note on Garbage collection.
6. "Static variables are class variables" Justify your answer with example.
7. Write short note on Static method and static variable with example.
8. What do you understand by this keyword. Explain use of this keyword with any one example.
9. Explain command line arguments with example.
10. Differentiate between Constructor and Methods
11. What is Reference Counting? How it is used in Garbage collector?
12. Write short note on Classes and Objects. Explain with example.
13. Write short note on Finalize method of Object class.
14. Explain variable length argument concept.
15. Explain how to pass/return array to/from method in java.
16. Explain vector class in java.

NOTE - Q1 , Q2 are compulsory for all. You have to attempt Q-3 in following sequence.

Roll Number	Questions
A1 to A20, B1 to B20, C1 to C20	1,10,11,5,7
A21 to A40, B21 to B40, C21 to C40	2,9,12,7,16
A41 to A60, B41 to B60, C41 to C60	3,8,13,6,10
A61 to A80, B61 to B80, C61 TO C80	4,7,14,8,6

A81 Onwards, B81 Onwards,C81 Onwards	5,6,15,2,9
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