Assignment 27

Qi] What is mean by Object Class?

It is the parent class of all java classes

It movides common methods like equals (), hash (oder), tosbring () & (lone())

All classes in jova implicitly inhorit from the object class

12] Explain Mark & Sweep algorithm of Gangage collection?

Thank Phase: Identifies all reachable (active) objects stanting
from root references

Sweep Phase: Remove unreferenced objects, freeing the
memory

It helps in automatic memory management by cleaning unused objects

O3] What are the tupes of methods in which we can use this required

Constructor: to call another constructor in the same class Instance method: refers to the current object thethod Parameter: To avoid naming conflicts return statement: Returns the corrent object.

(94) Explain concept of Analyze () method The Analize() method is called by the gambage collector before an object is removed from nemony. It allows the object to perform cleanup operations Ex: motested void finalized of throws Throwable [] as] HOW can we call the Gambage Collector explicitly in journel By using 8ystem.gc() or Runtime.getRuntime().gc() It requests the JVM to non the garbage collector but it is not guranteed. (36] Difference blu finalize () &in Java & destructor in CH? Desprotor finalize Aspect Invocation (a ned by garbage collector Called explicitly or customatically Frees memory when the For cleanup before gambage bage object goes out of score Collection Syntax protected void finalizer oclass mane () Called only once. Multiple May be called multiple times calls Q17 HOW to display the hashcode of any object in Java using hashade () method Ex Object obj = new Object ();

sout (obj. Hash (ode ());

98] What is the alternative for copy constructor in java? Cloning: Creates an exact copy of an object use cloner method by implementing Cloneable interfore Ex: - Myclass obj = New Myclass (); Tauclass obje = (tauclass) obj 1. clone(). 99] What is the use of import statement in jova It allows access to clauses from other packages Avoids writing fully qualified names E: import jorg. Ubl. Scanner; Q10] What is difference blu static block & constructor? Constructor Static block Aspect Rons every time an object Runs once when He class Execution is created is loaded time Pritalizes static vomables Tritializes instance variables Pomose (lass Name () {} Static 1 ? Syntax For class level initialization For object lovel initialization Osease