

**Unit 1**

Q. No.	Question/Answer	Marks
1.	When does Constructor gets called?	1
Ans:	Is always called when an object is created.	
2.	_____ to initialize the object.	1
Ans	The constructor.	
3.	Say true or false: A variable name is allowed to begin with underscore.	1
Ans:	True	
4.	Say true or false: Use of uninitialized variable causes compile time error in Java.	1
Ans:	True	
5.	What is the output of the below code and justify it. <pre>public class Test {     public static void main(String[] args)     {         int a=10;         a += 3.5;         System.out.println(a);     } }</pre>	2
Ans:	Output is 13, as the expression a += 3.5; is set to (int)(a + 3.5)	
6.	List out all the primitive types in Java.	2
Ans:	byte,short,int,long,float,double,char,boolean	
7.	What is enumerated type? Give an example.	2
Ans:	Enum in Java is a data type which contains a fixed set of constants. Example: enum Size { SMALL, MEDIUM, LARGE, EXTRA_LARGE};	
8.	What are the three fundamental features of an object-oriented programming language	3
Ans:	Object-oriented programming languages are designed with these features: <ul style="list-style-type: none"><li>● Encapsulation</li><li>● Inheritance</li></ul>	

	<ul style="list-style-type: none"> <li>Polymorphism</li> </ul>	
9.	<p>What is the output? And Why?</p> <pre> class Test {     private int data;     private Test ()     {         data = 5;     } } public class Sample {     public static void main(String[] args)     {         Test t = new Test ();         System.out.println(t.data);     } } </pre>	2
Ans:	A private constructor cannot be used to initialize an object outside the class that it is defined within because it is no longer visible to the external class.	
10.	What are the different of ways by which the fields of an object are initialized?	5
Ans:	<ol style="list-style-type: none"> <li>1. Default initialization based on the type.</li> <li>2. Initialization within the class.</li> <li>3. Initialization block.</li> <li>4. Initialize in the constructors.</li> <li>5. Constructor calling another constructor.</li> </ol>	