

Q. No	Question	(Marks)
UNIT – II		
1.	What is the use of finally clause in Java?	1
2.	Can the static members of the class be accessed without creating an object of a class?	1
3.	Can we use the finally clause without a catch clause?	1
4.	What is NullPointerException?	1
5.	What is ordinal method in Enum class?	1
6.	Can we create an instance of enum outside enum?	1
7.	Can we use enum in switch case?	1
8.	How to iterate over all the instances of a enum?	1
9.	Say True or False: a. The constructor of an enumeration is always private. b. Are enums type-safe?	2
10.	What is error and an exception in java?	2
11.	What is checked and unchecked exceptions in java?	2
12.	Why is better to use assertion compared to if statements as c check point?	2
13.	What is enumerated type? Give an example.	2
14.	List all the access modifiers in java?	2
15.	What is the output? <pre> public class Test { public static void main(String[] args) { try{ System.out.printf("1"); int data = 5 / 0; } catch(ArithmeticException e) { System.out.printf("2"); System.exit(0); } finally{ System.out.printf("3"); } System.out.printf("4"); } } </pre>	2
16.	Identify the bug if any in the code? <pre> public class ExceptionExample{ public static void main(String[] args){ Scanner ip=new Scanner(System.in); try{ </pre>	2

	<pre> int a[]={11,22,33,44}; int i; i=ip.nextInt(); System.out.println(20/i); System.out.println(a[i]); } catch(Exception e){ System.out.println(e); System.out.println("inside catch1"); } catch(ArrayIndexOutOfBoundsException e){ System.out.println(e); System.out.println("inside catch2"); } } } </pre>	
17.	How to throw an exception?	3
18.	<p>Identify the bug in the below code, if any:</p> <pre> import java.util.*; import java.io.*; public class ExceptionEx{ public static void main(String[] args){ try{ System.out.println("Before call:fn1"); fn1(); System.out.println("After call:fn1"); } catch(ArrayIndexOutOfBoundsException e){ System.out.println(e); System.out.println("in catch array index in main"); } catch(Exception e){ System.out.println(e); System.out.println("in catch in exception"); } System.out.println("In main"); } private static void fn1(){ System.out.println("Before call:fn2"); fn2(); System.out.println("After call:fn2"); } } </pre>	3

	<pre> } private static void fn2(){ try{ Scanner ip=new Scanner(System.in); int a[]={11,22,33,44}; int i; i=ip.nextInt(); System.out.println(20/i); System.out.println(a[i]); System.out.println("End of fn2"); } catch(ArrayIndexOutOfBoundsException e){ System.out.println(e); System.out.println("in catch array index in fn2"); } } } </pre>	
19.	List any two differences between class method and instance method.	4
20.	What is exception? Explain all the exception handler components in java with an example.	5