

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, July 2020

Course: Object Oriented Programming

Semester: 4

CourseCode: CSEG2016

Time: 2hr

Programme: B Tech CSE+OGI

Max. Marks: 100

Instructions: All Questions are compulsory.

End Sem Exam Question Paper

BTechCSE\_OGI\_Sem4\_CSEG2016\_Object Oriented Programming

MM: 100

1	<p>What is the output of the following code?</p> <pre> class Test { int i; } class EndTerm { public static void main(String args[]) { Test t = new Test(); System.out.println(t.i); } } </pre>	0	Correct	Compiler Error	Incorrect	runtime error	Incorrect	garbage value	Incorrect
2	Interface can contain _____	public, static, final variables only	Incorrect	public, abstract methods	Incorrect	Abstract methods(unimplemented) and implemented methods both	Incorrect	public, static, final variables and abstract methods both	Correct

3	<p>What problem will this code face?</p> <pre>interface Geometry {     void f1();     void f2();     void f3(); } class Circle implements Geometry {     public void f1() { }</pre>	It will not face any problem	Incorrect	Compilation error	Correct	Runtime error	Incorrect	work fine	Incorrect
4	Which keyword is used by class to inherit interface?	extent	Incorrect	extend	Incorrect	extends	Incorrect	implements	Correct
5	Example/ Examples of marker interface is/are _____.	Serializable	Correct	Clonnable	Incorrect	Remote interface	Incorrect	Serializable, Clonnable and Remote interface	Incorrect
6	If two packages contain classes with the same name, you can use the fully qualified class name for _____.	one or both of them.	Correct	one of them.	Incorrect	both of them	Incorrect	no one	Incorrect
7	The name collision problem is _____ solved by the package mechanism.	not completely	Correct	completely	Incorrect	completely or not completely	Incorrect	None	Incorrect
8	If you invoke a method that lists a checked exception in its throws clause, you can have following choices:	Catch the exception and map it into one of your exceptions by throwing an exception of a type declared in your own throws clause.	Correct	Declare the exception in your throws clause and let the exception pass through your method.	Incorrect	Catch the exception and handle it.	Incorrect	All of the above	Incorrect

9	<p>What is the output of the following code?</p> <pre> class Hello extends Exception { }  class EndTerm { public static void main(String args[] {  try {    throw new Hello();    }  catch(Hello t) { System.out.println("Inside catch");    }  finally { System.out.println("Inside finally ");    }  } } </pre>	Inside catch	Incorrect	<p>Inside catch</p> <p>Inside finally</p>	Correct	Inside finally	<p>Incorrect</p> <p>Error</p>	Incorrect
10	<p>The built-in base class in Java, which is used to handle all exceptions is</p>	Raise	Incorrect	Exception	Incorrect	Error	Throwable	Correct
11	<p>What is the output of the following code?</p> <pre> class EndTerm {  public static void main(String args[] {  String s1="java";  String s2="java";  System.out.println(s1.equals(s2));  System.out.println(s1==s2);  }  } </pre>	<p>true</p> <p>false</p>	Incorrect	<p>false</p> <p>true</p>	Incorrect	<p>true</p> <p>true</p>	<p>Correct</p> <p>false</p> <p>false</p>	Incorrect
12	<p>Which of the following methods Byte wrapper return the value as a double?</p>	doubleValue()	Correct	converDouble()	Incorrect	getDouble()	getDoubleValue()	Incorrect

1 3	<p>What is the output of the following code?</p> <pre>import java.lang.reflect.Array;  class EndTerm {  public static void main(String args[]) {  byte a[] = { 1, 2, 3, 4, 5 };  for (int i = 0; i &lt; 5; i++) {  byte x = Array.getByte(a, i);  System.out.print(x + " ");  }  }  }</pre>	1 2 3 4 5	C o r r e c t	0 1 2 3 4	I n c o r r e c t	Compiler error	I n c o r r e c t	R u n t i m e e r o r	I n c o r r e c t
1 4	<p>The StringBuffer class is essentially identical to the StringBUILDER class except_____.</p>	Thread-safety	C o r r e c t	non-synchronized methods	I n c o r r e c t	more efficient	I n c o r r e c t	none	I n c o r r e c t
1 5	<p>Which of these access specifiers can be used for a class so that its members can be accessed by a different class in the different package?</p>	public	C o r r e c t	protected	I n c o r r e c t	private	I n c o r r e c t	No modifier	I n c o r r e c t
1 6	<p>..... package in java contents language utility classes such as vectors, hash tables, random numbers date etc.</p>	java.util	C o r r e c t	java.awt	I n c o r r e c t	java.net	I n c o r r e c t	java.lang	I n c o r r e c t
1 7	<p>_____ nested classes are called inner classes.</p>	Non-static	C o r r e c t	static	I n c o r r e c t	public	I n c o r r e c t	protected	I n c o r r e c t
1 8	<p>Static nested classes can declare</p>	static initialization blocks	C o r r e	member interfaces	I n c o r	static members	I n c o r	All of the above	I n c o r

			c t		e c t		r e c t		r e c t
1 9	Which access specifier can be used for interface?	public	C o r r e c t	protected	I n c o r r e c t	private	I n c o r r e c t	All of these	I n c o r r e c t
2 0	Which method is used to start the execution of thread?	init()	I n c o r r e c t	start()	C o r r e c t	run()	I n c o r r e c t	none	I n c o r r e c t
2 1	What is the output of the following code?  class EndTerm {  public static void main(String args[]) {  Thread t = Thread.currentThread();  System.out.println(t); } }	Thread[main,5]	I n c o r r e c t	Thread[5,main]	I n c o r r e c t	Thread[main,main]	I n c o r r e c t	Thread[main,5,main]	C o r r e c t
2 2	What is thread deadlock?	when two or more threads are blocked forever	C o r r e c t	when two or more threads are blocked for sometime	I n c o r r e c t	when two or more threads never block	I n c o r r e c t	none	I n c o r r e c t
2 3	What is the output of the following code?  class EndTerm { public static void main(String[] args) throws InterruptedException {  Thread t = Thread.currentThread();  System.out.println(t.isAlive()); } }	FALSE	I n c o r r e c t	TRUE	C o r r e c t	0	I n c o r r e c t	1	I n c o r r e c t
2 4	Which interface does java.util.Hashtable implement?	java.util.Map	C o r r e c t	java.util.List	I n c o	java.util.HashTable	I n c o	java.util.Collecti on	I n c o

			e c t		r e c t		r r e c t		r r e c t
2 5	List, Set and Queue Collection.	extends	C o r r e c t	implements	both of the above	both of the above	I n c o r r e c t	none of the above	I n c o r r e c t
2 6	What is the default capacity of ArrayList?		I n c o r r e c t	10		7	I n c o r r e c t	3	I n c o r r e c t
2 7	What is the output of the following code?  import java.util.*; class EndTerm { public static void main(String[] args){  Set set=new TreeSet();  set.add(1); set.add("2");  set.add(3);  Iterator itr=set.iterator();  while(itr.hasNext()) {  System.out.print(itr.ne xt()+""); }  }  }	1 2 3	I n c o r r e c t	1 followed by exception	Compile time exception		I n c o r r e c t	Runtime excepti on	C o r r e c t

2 8	<p>What is the output of the following code?</p> <pre>import java.util.Arrays;  public class array2 {      public static void main(String args[]){          int a[]={5,12,8,9};          Arrays.sort(a,1,3);          System.out.println("After Sorting elements of specified range");          for(int i</pre>	5 8 9 12	I n c o r r e c t	C o r r e c t	I n c o r r e c t	I n c o r r e c t
2 9	<p>What is the output of the following code?</p> <pre>import java.util.*;  public class HashSetDemo {      public static void main(String arg[]){          HashSet h = new HashSet();          h.add("B");          h.add("C");          h.add("D");          h.add("Z");          h.add(null);          h.add(new Integer(10));          System.out.println(h);      }}</pre>	[B, C, D, Z, 10]	I n c o r r e c t	I n c o r r e c t	C o r r e c t	I n c o r r e c t

30	<p>What is the output of the following code?</p> <pre>import java.util.SortedSet;  import java.util.TreeSet;  public class array2 {  public static void main(String args[]){  SortedSet set = new TreeSet();  set.add("Bentley");  set.add("Mercedes");  set.add("Baleno");  System.out.println("First element: "+set.first());  System.out.println("Last element: "+set.last());  }  }</pre>	<p>First element: Baleno</p> <p>Last element: Mercedes</p>	<p>Correct</p>	<p>First element: Bentley</p> <p>Last element: Mercedes</p>	<p>Incorrect</p>	<p>First element: Bentley</p> <p>Last element: Baleno</p>	<p>Incorrect</p> <p>None</p>	<p>Incorrect</p>
31	<p>Which JDBC type represents a "single precision" floating point number that supports seven digits of mantissa?</p>	<p>Real</p>	<p>Correct</p>	<p>Double</p>	<p>Incorrect</p>	<p>Float</p>	<p>Integer</p>	<p>Incorrect</p>
32	<p>The JDBC-ODBC bridge is</p>	<p>Multithreaded</p>	<p>Correct</p>	<p>Singlethreaded</p>	<p>Incorrect</p>	<p>Both of the above</p>	<p>none of the above</p>	<p>Incorrect</p>
33	<p>What are the functions of Servlet container?</p>	<p>Lifecycle management</p>	<p>Incorrect</p>	<p>Communication support</p>	<p>Incorrect</p>	<p>Multithreading support</p>	<p>All of the above</p>	<p>Correct</p>



			c t				c t	
3 4	Through which tag you can define servlet context in web.xml?	config-param	I n c o r r e c t	context-param	C o r r e c t	init-param	All of these	I n c o r r e c t
3 5	What type of servlets use these methods doGet(), doPost(),doHead, doDelete(), doTrace()?	Generic Servlets	I n c o r r e c t	HttpServlets	C o r r e c t	All of the above	None of the above	I n c o r r e c t
3 6	Which class provide implementation for service() method ?	GenericServlet	I n c o r r e c t	HttpServlet	C o r r e c t	Servlet	None of these	I n c o r r e c t
3 7	Which of these method is called only once in Servlet life cycle ?	service()	I n c o r r e c t	init()	C o r r e c t	destroy()	None of these	I n c o r r e c t
3 8	"request" is instance of which one of the following classes?	Request	I n c o r r e c t	HttpRequest	I n c o r r e c t	HttpServletRequest	ServletRequest	I n c o r r e c t
3 9	Which of the following is not a directive?	include	I n c o r r e c t	page	I n c o r r e c t	export	useBean	I n c o r r e c t
4 0	Why this code is not correct ?  <%if(strPassword.equals("boss")){<jsp:forward page="Welcome.jsp" flush="true"/>} else{ }%>	Unmatched bracket in for statement	I n c o r r e c t	Flush attribute must be false	I n c o r r e c t	Keyword 'file' should be used instead of 'page' in the <jsp:forward/> action	Actions cannot be used within scriptlet blocks	C o r r e c t
4 1	When a JSP page is compiled, what is it turned into ?	Applet	I n c	Servlet	C o r	Application	Maillet	I n c

			o r r e c t		e c t		o r r e c t		o r r e c t
4 2	How can a servlet call a JSP error page?	This capability is not supported.	I n c o r r e c t	When the servlet throws the exception, it will automatically be caught by the calling JSP page.	I n c o r r e c t	The servlet needs to forward the request to the specific error page URL. The exception is passed along as an attribute named "javax.servlet.jsp.jspException".	C o r r e c t	The servlet needs to redirect the response to the specific error page, saving the exception off in a cookie.	I n c o r r e c t
4 3	What type of scriptlet code is better-suited to being factored forward into a servlet ?	Code that deals with logic that is common across requests.	C o r r e c t	Code that deals with logic that is vendor specific.	I n c o r r e c t	Code that deals with logic that relates to database access.	I n c o r r e c t	Code that deals with logic that relates to client scope.	I n c o r r e c t
4 4	Which syntax is used to comment in JSP?	<!-- Comment -->	I n c o r r e c t	<@-- Comment -->	I n c o r r e c t	<%-- Comment -->	C o r r e c t	<&-- Comment ->	I n c o r r e c t
4 5	Which is an example of the syntax used to import a class to JSP?	<% page import="java.util.List" %>	I n c o r r e c t	<@ page import="java.util.List" @%>	I n c o r r e c t	<% import="java.util.List" %>	I n c o r r e c t	<% @ page import="java.util.List" %>	C o r r e c t
4 6	Translating Java programs to bytecode helps	platform-dependence	I n c o r r e c t	platform-independence	C o r r e c t	platform-independence and platform-dependence	I n c o r r e c t	None	I n c o r r e c t
4 7	From where memory is allocated with new operator?	Heap	C o r r e c t	Stack	I n c o r r e c t	Heap and Stack	I n c o r r e c t	None	I n c o r r e c t

48	<p>What is the output of the following code?</p> <pre> class ques{ public void disp(char c) { System.out.println(c); } public void disp(char c, int num) { System.out.println(c + "+"+num); } } public class EndTerm { public static void main(String[] args) { ques obj = new ques(); obj.disp('a'); obj.disp('a',10); } } </pre>	a	I n c o r r e c t	a 10	I n c o r r e c t  Compiler Error	I n c o r r e c t  a a 10	C o r r e c t
49	<p>What is the output of this code?</p> <pre> public class EndTerm { int age; EndTerm(int age){ age = age; } public static void main(String[] args) { EndTerm obj = new EndTerm(8); System.out.println("obj.age = " + obj.age); } } </pre>	obj.age=0	C o r r e c t	obj.age=1	I n c o r r e c t  obj.age=null	I n c o r r e c t  Compilation error	I n c o r r e c t
50	<p>Which is the correct of way of instantiating an array in Java?</p>	<pre> int intArray[]; //declaring array intArray = new int[20]; </pre>	I n c o r r e c t	<pre> int[] intArray = new int[20]; </pre>	I n c o r r e c t  int[] intArray = {1,2,3};	I n c o r r e c t  All Correct	C o r r e c t

51	What are different types of Integer literals in Java?	Decimal Literals	Correct	Octal and Hexadecimal Literals	Incorrect	Binary Literals	Incorrect	All of the above	Incorrect
52	Which of the following has highest precedence?	.	Correct	++	Incorrect	<<	Incorrect	^	Incorrect
53	<p>What is the output of following code?</p> <pre> public class EndTerm { public static void main(String[] args) { outer: for (int i = 0; i &lt; 5; i++) { for (int j = 0; j &lt; 5; j++) { if (j == 1) continue outer; System.out.println(" value of j = " + j); } } } } </pre>	value of j = 0 value of j = 0 value of j = 0 value of j = 0 value of j = 0	Correct	value of j = 1 value of j = 2 value of j = 3 value of j = 4 value of j = 5	Incorrect	value of j = 0 value of j = 1 value of j = 2 value of j = 3 value of j = 4	Incorrect	value of j = 0 value of j = 2 value of j = 3 value of j = 4	Incorrect

54	<p>What is the output of the following code?</p> <pre> class Ant{ int b=10; private Ant(){ this.b=7; } int f(){ return b; } } class B extends Ant{ int b; } public class EndTerm{ public static void main(String[] args){     Ant a = new B(); System.out.println(a.f )); } } </pre>	Compiler Error	C o r r e c t	7	10	I n c o r r e c t	0	I n c o r r e c t
55	<p>What is the order of execution of constructors in Java Inheritance?</p>	Base to derived class	C o r r e c t	Derived to base class	Random order	I n c o r r e c t	None	I n c o r r e c t
56	<p>What are different Type Conversions present in Java?</p>	Narrowing Type Conversion	I n c o r r e c t	Widening Type Conversion	Both of the above	C o r r e c t	None of the above	I n c o r r e c t

57	<p>What is the output of the following code?</p> <pre> class access {     public int x;     private int y;     void cal(int a, int b)     {         x = a + 1;         y = b;     } }  public class access_specifier {     public static void main(String args[])     {         access obj = new access();         obj.cal(2, 3);          System.out.println(obj.x + " " + obj.y);     } } </pre>	3 3	Incorrect	2 3	Incorrect	Runtime Error	Incorrect	Compilation error	Incorrect
58	<p>The following code is given as:</p> <pre> public class UPES{     public abstract double numberOfStudent(); } </pre> <p>Which of the statement is true?</p>	The keywords public and abstract cannot be used together.	Incorrect	The method numberOfStudent() in class UPES must have a body.	Incorrect	You must add a return statement in method numberOfStudent().	Incorrect	Class UPES must be defined as abstract.	Correct
59	Is it mandatory to have a constructor for all classes included in multiple inheritance?	Yes	Incorrect	Yes, only if no abstract class is involved	Correct	No, only classes being used should have a constructor	Incorrect	No, they must not contain constructors	Incorrect

			c t				c t		c t
6 0	Which of the following is true?	A class can extend more than one class.	I n c o r r e c t	A class can extend only one class but many interfaces.	I n c o r r e c t	An interface can implement many interfaces.	I n c o r r e c t	A class can extend one class and implement many interfaces.	C o r r e c t