

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : BE /CSE	Year / Semester : II/III	Format No.	NAC/TLP-07a.13
Subject Code :CS8392	Subject Name :OBJECT ORIENTED PROGRAMMING	Rev. No.	02
Unit No : 3	Unit Name :EXCEPTION HANDLING & I/O	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)
1	1. What is an exception? a) Problem arising during compile time b) Problem arising during runtime c) Problem in syntax d) Problem in IDE
2	Why do we need to handle exceptions? a) To prevent abnormal termination of program b) To encourage exception prone program c) To avoid syntax errors d) To save memory
3	An exception may arise when _____ a) Input is fixed b) Input is some constant value of program c) Input given is invalid d) Input is valid
4	Which is the universal exception handler class? a) Object b) Math c) Errors d) Exceptions
5	What are two exception classes in hierarchy of java exceptions class? a) Runtime exceptions only b) Compile time exceptions only c) Runtime exceptions and other exceptions d) Other exceptions
6	Which are the two blocks that are used to check error and handle the error? a) Try and catch b) Trying and catching c) Do and while d) TryDo and Check
7	How many catch blocks can a single try block can have? a) Only 1 b) Only 2 c) Maximum 127 d) As many as required
8	Which among the following is not a method of Throwable class? a) public String getMessage() b) public Throwable getCause() c) public Char toString() d) public void printStackTrace()
9	To catch the exceptions _____ a) An object must be created to catch the exception b) A variable should be created to catch the exception c) An array should be created to catch all the exceptions

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	d) A string have to be created to store the exception
10	Multiple catch blocks _____ a) Are mandatory for each try block b) Can be combined into a single catch block c) Are not possible for a try block d) Can never be associated with a single try block
11	Which class is used to handle the input and output exceptions? a) InputOutput b) InputOutputExceptions c) IOExceptions d) ExceptionsIO
12	Why do we use finally block? a) To execute the block if exception occurred b) To execute a code when exception is not occurred c) To execute a code whenever required d) To execute a code with each and every run of program
13	Which among the following is true for class exceptions? a) Only base class can give rise to exceptions b) Only derived class can give rise to exceptions c) Either base class or derived class may produce exceptions d) Both base class and derived class may produce exceptions
14	Which among the following is true? a) If catch block of base class is written first, it is compile time error b) If catch block of base class is written first, it is run time error c) If catch block of base class is written first, derived class catch block can't be reached d) If catch block of base class is written first, only derived class catch block is executed
15	The catching of base class exception _____ in java. a) After derived class is not allowed by compiler b) Before derived class is not allowed by compiler c) Before derived class is allowed d) After derived class can't be done
16	If catching of base class exception is done before derived class in C++ _____ a) It gives compile time error b) It doesn't run the program c) It may give warning but not error d) It always gives compile time error
17	Since which version of java is multiple exception catch was made possible? a) Java 4 b) Java 5 c) Java 6 d) Java 7
18	If a catch block accepts more than one exceptions then _____ a) The catch parameters are not final b) The catch parameters are final c) The catch parameters are not defined

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	d) The catch parameters are not used
19	<p>Which statement is true?</p> <p>A. catch(X x) can catch subclasses of X where X is a subclass of Exception.</p> <p>B. Any statement that can throw an Exception must be enclosed in a try block.</p> <p>C. The Error class is a RuntimeException.</p> <p>D. Any statement that can throw an Error must be enclosed in a try block.</p>
20	<p>When does Exceptions in Java arises in code sequence?</p> <p>A. Run Time</p> <p>B. Can Occur Any Time</p> <p>C. Compilation Time</p> <p>D. None of the mentioned</p>
21	<p>Which of these keywords is not a part of exception handling?</p> <p>A. finally</p> <p>B. thrown</p> <p>C. catch</p> <p>D. try</p>
22	<p>Which of these keywords must be used to monitor for exceptions?</p> <p>A. finally</p> <p>B. throw</p> <p>C. catch</p> <p>D. try</p>
22	<p>Which of these keywords must be used to handle the exception thrown by try block in some rational manner?</p> <p>A. finally</p> <p>B. throw</p> <p>C. catch</p> <p>D. try</p>
23	<p>In which of the following package Exception class exist?</p>

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	<p>A. java.file B. java.lang C. java.io D. java.util</p>
24	<p>Which exception is thrown when divide by zero statement executes?</p> <p>A. NumberFormatException B. NullPointerException C. ArithmeticException D. None of these</p>
25	<p>What is the output of this program?</p> <pre>class Main { public static void main(String args[]) { try { int a, b; b = 0; a = 5 / b; System.out.print("A"); } catch (ArithmeticException e) { System.out.print("B"); } } }</pre> <p>A. A B. B C. Compilation Error D. Runtime Error</p>
26	<p>Predict the output of following Java program?</p> <pre>class Main { public static void main(String args[]) { try { throw 10; } }</pre>

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	<pre> } catch(int e) { System.out.println("Got the Exception " + e); } } } } </pre> <p>A. Got the Exception 10 B. Got the Exception 0 C. Compiler Error D. None of the above</p>
27	<p>What is the output of this program?</p> <pre> class Main { public static void main(String[] args) { try { return; } finally { System.out.println("Finally"); } } } </pre> <p>A. Finally B. Compilation fails. C. The code runs with no output. D. An exception is thrown at runtime.</p>
28	<p>Which of these is a super class of all exceptional type classes?</p> <p>A. String B. RuntimeExceptions C. Throwable D. Cacheable</p>
29	<p>What exception thrown by parseInt() method?</p> <p>A. ArithmeticException B. ClassNotFoundException</p>

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	<p>C. NullPointerException D. NumberFormatException</p>
30	<p>What is the output of this program?</p> <pre>class Main { public static void main(String args[]) { try { System.out.print("Hello" + " " + 1 / 0); } finally { System.out.print("World"); } } }</pre> <p>A. Hello B. World C. Compilation Error D. First Exception then World</p>
31	<p>Which of these operator is used to generate an instance of an exception than can be thrown by using throw?</p> <p>A. new B. malloc C. alloc D. thrown</p>
32	<p>Which of these keywords is used to by the calling function to guard against the exception that is thrown by called function?</p> <p>A. try B. throw C. throws D. catch</p>
33	<p>Which of these keywords must be used to handle the exception thrown by try block in some rational manner?</p>

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	<p>a) try b) finally c) throw d) catch</p>
34	<p>Which of these keywords is used to manually throw an exception? a) try b) finally c) throw d) catch</p>
35	<p>Which statement is true? A. An Error that might be thrown in a method must be declared as thrown by that method, or be handled within that method. B. Multiple catch statements can catch the same class of exception more than once. C. A try statement must have at least one corresponding catch block. D. Except in case of VM shutdown, if a try block starts to execute, a corresponding finally block will always start to execute.</p>
36	<p>Which of these is a super class of all errors and exceptions in the Java language? A. Catchable B. Throwable C. RunTimeExceptions D. None of the above</p>
37	<p>Which exception is thrown when divide by zero statement executes? A. NumberFormatException B. NullPointerException C. ArithmeticException D. None of these</p>
38	<p>Which of these keywords is not a part of exception handling? a) Try b) Finally c) Thrown d) catch</p>
39	<p>Which of these is used to perform all input & output operations in Java? a) Streams b) Methods c) Variables</p>

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	d) classes
40	Which of these is a type of stream in Java? a) Integer stream b) Byte stream c) Long Stream d) Short stream
41	Which of these classes are used by character streams output operations? a) InputStream b) Writer c) ReadStream d) InputOutputStream
42	State whether the following statements are True or False. i) A catch can have comma-separated multiple arguments. ii) Throwing an Exception always causes program termination. A) True, False B) False, True C) True, True D) False, False
43	When an exception in a try block is generated, the Java treats the multiple statements like cases in switch statement. A) throw B) catch C) finally D)try
44	Which of these methods is used to print stack trace? a) obtainStackTrace() b) printStackTrace() c) getStackTrace() d) displayStackTrace()
45	Which of these methods return localized description of an exception? a) getLocalizedMessage() b) getMessage() c) obtainLocalizedMessage() d) printLocalizedMessage()
46	What method of an <code>Exception</code> object returns a message string? a) <code>getError()</code> b) <code>getMessage()</code> c) <code>printMessage()</code> d) <code>traceMessage()</code>
47	Say that a method catches an <code>IOException</code> in a <code>catch{}</code> block. Is it possible for that block to do some processing and then <code>throw</code> the same exception to the caller? a) No---when an exception is caught the <code>Exception</code> object is destroyed. b) No---an exception may be caught only once. c) Yes---as long as the method also has a <code>throws</code> clause for that exception. d) Yes---but the <code>catch{}</code> block must construct a new <code>Exception</code> object.

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48	<p>What will be output for the following code?</p> <pre>class Test extends Exception { } class Main { public static void main(String args[]) { try { throw new Test();} catch(Test t) { System.out.println("Got the Test Exception"); } finally { System.out.println("Inside finally block "); } } }</pre> <p>A. Got the Test Exception Inside finally block B. Got the Test Exception C. Compiler Error D. Inside finally block</p>
49	<p>Predict the output of following Java program?</p> <pre>class Main{ public static void main(String args[]) { try { throw 10; } catch(int e) { System.out.println("Got the Exception " + e); } } }</pre> <p>A. Got the Exception 10 B. Got the Exception 0 C. Compiler Error D. None of the above</p>
50	<p>What will be the output of the following Java program if input given is 'abcqfghqbcd'?</p> <pre>1. class Input_Output 2. { 3. public static void main(String args[]) throws IOException 4. { 5. char c; 6. BufferedReader obj = new BufferedReader(new InputStreamReader(System.in));</pre>

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	7. do 8. { 9. c = (char) obj.read(); 10. System.out.print(c); 11. } while (c != 'q'); 12. } 13. }		
		a)abcqfgh b)abc c) abcq d) abcqfghq	
51	What will be the output of the following Java program? <pre> 1. class output 2. { 3. public static void main(String args[]) 4. { 5. StringBuffer c = new StringBuffer("Hello"); 6. System.out.println(c.length()); 7. } 8. }</pre>	a)4 b) 5 c)6 d) 7	
52	What will be the output of the following Java program? <pre> 1. class output 2. { 3. public static void main(String args[]) 4. { 5. String s1 = "one"; 6. String s2 = s1 + " two"; 7. System.out.println(s2); 8. } 9. }</pre>	a)one b)two c) onetwo d)compilationerror	