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DAYANANDA SAGAR COLLEGE OF ENGINEERING

(An Autonomous Institute Affiliated to VTU, Belagavi)

ShavigeMallethwara Hills, Kumaraswamy Layout, Bengaluru-560078

Department of Information Science and Engineering

Internal Assessment Test - 2

Course: INTRODUCTION TO JAVA

Course Code: 18IS6IEJVA

Semester:6

Maximum marks: 50

Date: 10-07-2021

Duration: 90 Mins

Mapping:

MAPPING	Question No.	1	2	3	4(a)	4(b)	5(a)	5(b)	6	7
	Course Outcome		3	4	2	2	2	2	5	5
	Program Outcome		1,2,3,12	1,2,3,12	1,2,3,12	1,2,3,12	1,2,3,1	1,2,3,1	1,2,3,12	1,2,3,12
	Blooms Level			2	2	2	3	2	2	2

(Question Number 1, 2 and 3 are Compulsory, Answer one full question from 4 or 5 and 6 or 7)			Marks
1 A	Which of the following keyword must be used to inherit a class? a) super c) extent b) this d) extends		1x10
B	If class B is subclassed from class A then which is the correct syntax a) class B:A{ } b) class B extends A{ } c) class B extends class A{ } d) class B implements A{ }		
C	An abstract class can have constructors and static methods? a) TRUE b) FALSE c) Abstract class can have constructors but can not have static methods. d) Abstract class can not have constructors but can have static methods		
D	Super keyword in java is used to a) Refer immediate parent class instance variables. b) Invoke immediate parent class methods. c) Invoke immediate parent class constructor. d) All		
E	Which of these access specifiers can be used for an interface? a)Public b)Protected c)private d) All of the mentioned		
F	Which of these keywords is not a part of exception handling? a) try b) finally c) thrown d) catch		
G	Which of these is not a correct statement? a) Every class containing abstract method must be declared abstract b) Abstract class defines only the structure of the class not its implementation		

	c) Abstract class can be initiated by new operator d) Abstract class can be inherited	
H	Which of these is a type of stream in Java? a) Integer stream b) Short stream c) Byte stream d) Long stream	
I	Which exception is thrown by read() method? a) IOException b) InterruptedException c) SystemException d) SystemInputException	
J	Which of these class is used to read characters and strings in Java from console? a) BufferedReader b) StringReader c) BufferedStreamReader d) InputStreamReader	
2	Define interface. Illustrate how to define and implement interface by taking suitable example.	10
3	Define exception. Explain the following keywords with syntax and example with respect to exception handling in Java. (i) try (ii) catch (iii) throw (iv) finally.	10
4 A	Interpret on super keyword in java with an example.	06
B	Develop a java program to show how final keyword is used to prevent overriding.	04
OR		
5 A	Interpret on multilevel inheritance with an example.	05
B	Explain briefly method overriding with an example.	05
6	Explain with example any two ways to read the input from Java Console.	10
OR		
7	Summarize the process involved in reading and writing files in java	10

*****ALL THE BEST*****