R18

Code No: 157EU

Time: 3 Hours

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, January/February - 2023 JAVA PROGRAMMING (Common to CE, ME, ECE)

Max.Marks:75

Note: i) Question paper consists of Part A, Part B.

- ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
- iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

	PART – A	(25 Marks)
1.a) b) c) d) e) f) g) h) i)	What is type casting? Explain about "this" keyword. What is an abstract class? What are benefits of inheritance? How do you create your own exception in java? How exception handling is done through throw keyword. What is layout manager? Explain AWT component – button. What are thread groups? Explain thread life cycle. PART – B	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
	loaded Laki - D	(50 Marks)
2.	Explain various parameter passing techniques in java. Explain with examples. OR	[10]
3.	Distinguish between nested and inner classes.	[10]
4.	What is the difference between abstract class and interface? OR	[10]
5.	Discuss the accessibility of a class in another package when it is define public, protected or default with suitable examples.	ed as private, [10]
6.	Explain how exception handling is done through try and catch block.	[10]
7.	OR Write a java program to find whether a given string is palindrome or not.	[10]
8.	Explain flow and card layout managers in detail.	[10]
9.	OR Explain AWT canvas and scrollbar components with examples.	[10]
10.	What are different types of applets? Explain parameter passing to applets. OR	[10]
11.	Explain is Alive() and join() methods of thread class with suitable example.	[10]

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