Code No: 154BE

R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech II Year II Semester Examinations, April/May - 2023
JAVA PROGRAMMING
(Common to CSE, IT)

Time: 3 Hours   **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)	What is variable?	[2]
b)	Explain the usage of 'final' keyword.	[3]
c)	Define a Package?	[2]
d)	Write a short note on Byte stream.	[3]
e)	Explain about built in exceptions.	[2]
f)	Write a short note on thread priorities.	[3]
g)	Discuss about Array deque.	[2]
h)	Write a short note on Scanner class.	[3]
i)	What is adapter class?	[2]
j)	Write a short note on swing	[3]

PART – B

(50 Marks)

2.a)   Explain the 'for' loop with an example.
 b)   Write a short note on any two string handling functions.   [5+5]
                                          OR
3.   What is inheritance? Explain different types of inheritances.   [10]

4.   Explain the concept of interface with an example program.   [10]
                                          OR
5.   Demonstrate the Reading console Input and Writing Console Output with an example.
                                                                                  [10]

6.   Explain about the following:
     a) Checked exceptions
     b) Unchecked exceptions.   [5+5]
                                          OR
7.a)   Write a short note on thread life cycle.
 b)   Discuss about thread based multitasking.   [5+5]

8. Briefly explain about the following:
    a) Linked List
    b) Tree set.   [5+5]

OR

9. Write a short note on:
    a) Priority Queue
    b) Hashtable.   [5+5]

10. Briefly explain about the following:
    a) Card Layout
    b) JScroll Pane.   [5+5]

OR

11.a) Explain any two swing controls.
   b) Write a Java program to demonstrate the handling Mouse events. [5+5]

---ooOoo---