Code No: 117FX

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, November/December - 2017
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Electronics and Communication Engineering)

Time: 3 Hours

Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question
carries 10 marks and may have a, b, c as sub questions.

PART- A
(25 Marks)

1.a)	Define one-dimensional array.	[2]
b)	Describe finalize( ) method with example.	[3]
c)	Define interface.	[2]
d)	What is the necessity of overridden methods?	[3]
e)	Describe the Main thread.	[2]
f)	Discuss about multiple catch clauses.	[3]
g)	What are sources of events?	[2]
h)	Discuss about FlowLayout.	[3]
i)	Describe applet architecture.	[2]
j)	Discuss about the MVC connection.	[3]

PART-B
(50 Marks)

2.a)	Define constructor. Explain about parameterized constructors.	
b)	What are arithmetic operators? Explain.	[5+5]

OR

3.a)	Explain about multidimensional arrays with examples.	
b)	What is meant by overloading methods? Explain in detail.	[5+5]

4.a)	Discuss about Console class.	
b)	Describe uses of super keyword in inheritance.	[5+5]

OR

5.a)	Explain usage of final with inheritance.	
b)	How interfaces can be extended? Explain.	[5+5]

6.a)	Explain about interthread communications.	
b)	Explain string comparison functions with examples.	[5+5]

OR

7.a)	Discuss about generic class hierarchies.	
b)	Explain about the Java thread model.	[5+5]

8.a) Discuss about handling keyboard events.
  b) Explain about GridBagLayout. [5+5]

OR

9.a) Describe about applying check boxes.
  b) Discuss about list panels. [5+5]

10.a) Discuss about components and containers.
   b) Explain about JTextField. [5+5]

OR

11. Explain the following:
    a) JScrollPane
    b) Combo Boxes. [5+5]

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