Bachelor of Science (B.Sc.) (Part - III) Sixth Semester
B.Sc. 4516 - Computer Science Paper-II Elective - III (Java)

P. Pages : 2

Time : Three Hours

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* 1 0 5 6 *

Max. Marks : 50

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Notes :　1.　All questions are compulsory and equal marks.
　　　　　2.　Draw a neat & well labelled diagram.

1.　　Either:

a)　Explain any two control structure with its syntax.　　**5**

b)　Explain JDK environment in Java.　　**5**

OR

c)　Explain different decision making statements with suitable example.　　**5**

d)　Write a program for sorting list of numbers using array.　　**5**

2.　　Either:

a)　Explain different object oriented programming concept supported by Java.　　**5**

b)　Explain the following package:　　**5**
　　i)　Java.awt.in　　　　　　　　　　ii)　Java.text.

OR

c)　Explain relationship between super class object and subclass object with suitable example.　　**5**

d)　Write a note on dynamic method dispatch.　　**5**

3.　　Either:

a)　Explain Exception classes and its method in detail.　　**5**

b)　Explain thread synchronization in detail.　　**5**

OR

c)　Explain the concept of Thread Properties.　　**5**

d)　Write a program to demonstrate user defined exception.　　**5**

4.　　Either:

a)　Explain AWT classes and windows fundamentals in detail.　　**5**

b)　What is an event listener? Write different listener interfaces, their methods and event classes.　　**5**

    c)   Explain Grid layout in detail.   **5**

    d)   Explain event delegation model in detail.   **5**

5.   All questions are compulsory.

    a)   Explain identifiers and keywords in Java.   **2½**

    b)   Write a note on - pass by value.   **2½**

    c)   Write a note on finally and throws keyword.   **2½**

    d)   Explain Border Layout Manager.   **2½**

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