Total No. of Questions—5]　　　　[Total No. of Printed Pages—3

Seat
No.

[4968]-604

BCA (Semester-VI) EXAMINATION, 2016

ADVANCE JAVA

(2008 PATTERN)

Time : 3 Hours　　　　　　　　　　Maximum Marks : 80

N.B. :— (*i*)　*All* questions are compulsory.

(*ii*)　Figure to the right indicate full marks.

(*iii*)　Answer of subquestions of each question should be attempted at *one* place. It should not be written separately.

1.　Attempt any **8** (*eight*) from the following :　　　[8×2=16]

(*a*)　Define Bean.

(*b*)　Explain types of thread.

(*c*)　Write syntax of comments in JSP.

(*d*)　Explain the term statement with suitable example.

(*e*)　What is use of DSN in JDBC ?

(*f*)　Explain init() method of servlet class with suitable syntax.

(*g*)　When to use execute update() ?

(*h*)　Explain the method wait() and notify in Thread.

(*i*)　What is jar file ?

(*j*)　What is stub and skeleton ?

P.T.O.

2. Attempt any *four* from the following : [4×4=16]

(*a*) Explain servlet life cycle.

(*b*) Explain properties of Bean.

(*c*) Explain JSP scripting elements with proper syntax.

(*d*) Write a multithreaded programe, where first thread will print A to Z after every **2** seconds and second thread will print Z to A after every **1** second.

(*e*) Write servlet program to accept user name and display him greeting message along with user name.

3. Attempt any *four* from the following : [4×4=16]

(*a*) Write steps to establish connection in Jdbc.

(*b*) Differentiate between local and remote object.

(*c*) Write JDBC program to update student table. Student who belong to Mumbai update it to Pune.

(*d*) Why RMI registry is needed ?

(*e*) Write a program to create linked list of integer and do the following operations :

(*i*) Add element at the last position.

(*ii*) Delete first element.

4. Attempt any *four* from the following : [4×4=16]

(*a*) Write notes on JSP directives.

(*b*) Explain thread life cycle.

(*c*) Explain RMI architecture.

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(*d*) Write a java program to read *n* strings and store it into linked list also display content of same linked list.

(*e*) Write a servlet page which counts how many times a user has visited a web page ?

5. Attempt any *four* from the following : [4×4=16]

(*a*) Explain steps to create manifest file.

(*b*) Write JDBC program that inserts the following details to employee table having structure emp-no, emp-name, department, salary.

(*c*) How session tracking is achieved in java using servlet.

(*d*) Explain important classes and interfaces of JDBC.

(*e*) Explain different methods to create thread.