

Total No. of Questions : 8]

SEAT No. :

**P4961**

[Total No. of Pages : 2

**[5066] - 401**  
**M.C.A. (Commerce) (Semester - IV)**  
**401 : ADVANCED JAVA**  
**(2013 Pattern) (Credit System)**

*Time : 3 Hours]*

*[Max. Marks :50*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Attempt any Seven from following :

**[7 × 2 = 14]**

- a) Write Beans Properties.
- b) What is Remote host ?
- c) What is Stub ?
- d) Explain Connection interface.
- e) What is Runnable interface.
- f) What is Servlet ?
- g) What is JSP Directives ?
- h) What is JDBC ?

**Q2)** Attempt any three from following :

**[3 × 4 = 12]**

- a) Explain thread priorities with suitable example.
- b) Explain RMI Architecture with diagram.
- c) Write Servlet program to accept Username and password, validate username and password & both are same then only display welcome message.
- d) Write JDBC Program to delete record from students table whose name starts with 'A'.

**P.T.O.**

**Q3)** Attempt any three from following :

**[3 × 4 = 12]**

- a) What is Session handling ? Explain with use of appropriate functions.
- b) Write steps to build an application using beans.
- c) Write JSP program to accept username and age of user and display message on the basis of age whether user is eligible to vote or not.
- d) Write JDBC program to display records from employee table whose age is more than 60 years.

**Q4)** Attempt any three from following :

**[3 × 4 = 12]**

- a) What is JSP ? Explain JSP tags with example.
- b) Explain JDBC Architecture with suitable diagram.
- c) Write Server side program of chat application.
- d) What is Thread? Explain different ways to create thread.

