

Total number of printed pages – 3

MCA
PCS 5010

Fifth Semester Examination – 2007

**ENTERPRISE WEB BASED COMPUTING
WITH JAVA**

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory
and any **five** from the rest.*

*The figures in the right-hand margin
indicate marks.*

1. Answer the following questions : 2×10
- (a) What are internal servlets ?
 - (b) What is session tracking ?
 - (c) How do you write an object to stream ?
 - (d) Name some attributes in page directive.

P.T.O.

- (e) What is messaging ?
- (f) Why http is a stateless protocol ?
- (g) What is container and its role in EJB ?
- (h) Write down the three security features in EJB.
- (i) Write down the role of JNDI.
2. What is CGI ? Write down the advantages of servlet over CGI. 10
3. Describe the life cycle of a servlet. 10
4. What is HttpServlet ? How it differs from generic servlet ? Explain. 10
5. What is RMI ? Describe the characteristic of RMI. Define marshalling and unmarshalling RMI. 10
6. What are the major life events in a JSP ? How do you code a simple JSP using JDBC ? 10
7. What is a component model ? How does EJB differs from the original Java Bean ? 10

8. Write down a JSP program containing two JSP pages and using session tracking mechanism. Show that clicking the first page, you can go to the second page and vice versa. 10

IWL