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Total Number of Pages: 01

M.Tech
ITPC201

2nd Semester Back Examination – 2016-17
J2EE

BRANCH: COMPUTER ENGG, COMPUTER SCIENCE, COMPUTER SCIENCE AND ENGG,
COMPUTER SCIENCE AND TECH., INFORMATION TECH..

Time: 3 Hours

Max Marks: 70

Qcode:Z492

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

- Q1 **Answer the following questions:** (2 x 10)
- a) What is difference between HttpServlet and Generic Servlet Class.?
 - b) What are JSP scripting elements?
 - c) What is the difference between stateless java bean and stateful java beans?
 - d) What are the classes used in struts?
 - e) What is session factory in hibernate?
 - f) What is the difference between doGet() and doPost().
 - g) What is the difference between BMP and CMP?
 - h) What are JSP directives?
 - i) What is ORM?
 - j) What is action class.?
- Q2 a) What makes Enterprise beans different from session beans? Describe. (5)
- b) How do you establish a connection between two ear files? Describe with examples. (5)
- Q3 a) What is the difference between distributed Transaction and Flat Transaction in EJB .?Explain with Examples. (5)
- b) What are different class objects involved in Hibernate application architecture? (5)
- Q4 a) Explain servlet config interface and its importance in servlets (5)
- b) Explain JSP lifecycle. (5)
- Q5 a) Explain EJB exception Handling with examples. (5)
- b) Explain The setup and Teardown Phase of a spring bean with syntax. (5)
- Q6 a) Explain with examples the role of requestdespatcer. (5)
- b) Explain IOC and Dependency Injection. (5)
- Q7 a) How to create a POJO class in Hibernate. ? Explain. (5)
- b) Explain the Exception handling In servlet.? (5)
- Q8 Answer any TWO of the following (5 x 2)
- a) Marshalling and Un-Marshalling.
 - b) Servlet life cycle.
 - c) Session Tracking
 - d) Struts2 Frame work