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**SUBJECT CODE NO: E-08**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.E.(CSE/ IT) Examination Nov/Dec 2017**  
**Advanced JAVA**  
**(REVISED)**

**[Time: Three Hours]**

**[Max.Marks:80]**

N.B Please check whether you have got the right question paper.

- N.B
- 1) Question No. 1 and 6 are compulsory.
  - 2) Attempt any two questions from each section.
  - 3) Figures right indicates full marks.
  - 4) Assume Suitable data if necessary.

**Section A**

- Q.1 Attempt any five questions: 10
- a) What is servlet context?
  - b) What is AJAX?
  - c) What is JSP?
  - d) Enlist the stages in JSP lifecycle.
  - e) What is skeleton in RMI?
  - f) Enlist page directives.
  - g) Define deployment descriptor.
  - h) What is XML?
- Q.2 a) What is container? Explain J2EE container with container architecture. 08
- b) Explain JSP page directives in detail. 07
- Q.3 a) Differentiate between servlet & CGI script. 07
- b) Explain JSP lifecycle? Explain how to create custom tags. 08
- Q.4 a) Explain four methods of session tracking with suitable example. 07
- b) Write a short note on JSP exception handling with suitable example. 08
- Q.5 a) Explain steps to create RMI in java with suitable example. 08
- b) Explain JSP Model – I & Model – II architecture in detail. 07

Section B

- Q.6 Attempt any five questions: 10
- a) Enlist types of web service technologies.
  - b) Explain advantages are of hibernate.
  - c) What is entity bean?
  - d) Differentiate between SMTP & POP3.
  - e) Enlist components of struts.
  - f) Differentiate between Struts 1 & Struts 2
  - g) What is use of UDDI?
  - h) Define session bean.
- Q.7 a) Explain hibernate relational mapping. 07
- b) Explain enterprise bean architecture. 08
- Q.8 a) Explain publication & discovery with UDDI. 08
- b) Explain JSF architecture in detail, 07
- Q.9 a) Explain HQL in detail. 07
- b) Explain java API for xml binding. 08
- Q.10 a) Explain components of JSF in detail. 08
- b) Explain components of struts based application. 07