

B.SC. (I. T.) SEM. - VI (CBCS - 2015 COURSE) : SUMMER - 2018

SUBJECT : ENTERPRISE JAVA

Day : **Saturday**
Date : **26/05/2018**

Time : **10.00 a.m. to 01.00 p.m.**

Max. Marks : 60

S-2018-0965

N. B. :

- 1) Attempt **ANY SIX** out of **EIGHT**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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- Q. 1** What is JSF? Explain its purpose, advantages and disadvantages. What are the three attributes of textfield tags provided by JSF? Explain with code snippet example. (10)
- Q. 2** a) What are specific features of J2EE? Explain the architecture of J2EE, with suitable diagram. (05)
- b) Explain **ANY FIVE** attributes of <h:form> tag in JSF? (05)
- Q. 3** What are advantages of EJB? Explain the difference between stateful and stateless EJBs? Elaborate with code snippet example for each. (10)
- Q. 4** a) What is concept of ORM? Why do we need ORM? Illustrate using diagram. (05)
- b) What is session in Hibernate? And what are the key components in Hibernate? (05)
- Q. 5** What is the concept of MVC? Explain both the models of MVC in Struts. Describe with MVC flow diagrams. (10)
- Q. 6** a) Define - Framework. Explain the advantages of using Framework with respect to Struts. (05)
- b) What is POJO class? Explain with code snippet example. (05)
- Q. 7** What is HQL? What are the different ways to map Hibernate entities? Explain each with a code snippet. (10)
- Q. 8** Explain the request/response flow of Struts Application with diagram. (10)

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