

B.Sc. (I. T.) Sem. - VI (CBCS - 2015 Course) : SUMMER - 2019
SUBJECT : ENTERPRISE JAVA

Day : Friday
Date : 17/05/2019

Time : 10.00 a.m. to 01.00 p.m.
Max. Marks : 60

S-2019-1291

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** a) What is meant by Enterprise application? Explain with a scenario diagram over Java platform? (05)
- b) Explain the concept of MVC architecture, with suitable diagram. (05)
- Q. 2** Describe the steps and code snippet for creating a struts-based application, which takes input as user name and on "OK" button click, displays the message "Welcome <user name>!" on a new page. (10)
- Q. 3** Define the advantages of JSF? What are the different types of textfield tags provided by JSF? Explain it with code snippet. (10)
- Q. 4** a) What are the different ways to map Hibernate entities? Describe with code snippets. (05)
- b) Define the steps for creating a simple Hibernate application. (05)
- Q. 5** a) What are the advantages of using struts framework? (05)
- b) What is POJO class? Explain with an example. (05)
- Q. 6** Explain the steps for validation in JSF, with code snippets. (10)
- Q. 7** What is EJB? Explain Session Beans in EJB, with code snippets. (10)
- Q. 8** What is the concept of ORM? Describe the Hibernate architecture in detail, using suitable diagram. (10)

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