

B.Sc. (I. T.) Sem. - VI (CBCS - 2015 Course) : WINTER - 2018
SUBJECT : ENTERPRISE JAVA

Day : Wednesday
Date : 28/11/2018

Time : 02.30 p.m. to 05.30 p.m.
Max. Marks : 60

W-2018-1089

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.

-
- Q. 1** a) Enlist and explain **ANY FOUR** tags used in struts.xml file. (05)
- b) Explain the steps for creating a struts-based login application with “Welcome”, on success and display the same page with “Login Failed”, on failure. (05)
- Q. 2** a) Explain the general flow of Hibernate communication with RDMS using suitable diagram. (05)
- b) How do you define sequence generated primary key in Hibernate? Explain with code snippet. (05)
- Q. 3** a) What are the command component tags used for action and navigation in JSF? Explain with code snippet. (05)
- b) Explain the standard class in JSF which is used to validate the elements. Explain with code snippet. (05)
- Q. 4** Explain the concept of ORM? Describe the steps for developing a simple Hibernate application. (10)
- Q. 5** a) What is a Java Bean class? Explain the difference between POJO class and Java Bean class. (05)
- b) Explain Event Delegation Model in struts with a code snippet. (05)
- Q. 6** What are interceptors in Struts? Explain its life cycle in detail. Elaborate with an example. (10)
- Q. 7** What are the different ways to map Hibernate entities? How can we generate a primary key in Hibernate entity? (10)
- Q. 8** What does ORM stands for? Explain Hibernate architecture in detail, using diagram. (10)