

GANPAT UNIVERSITY
B. Tech SEMESTER-V CE/IT EXAMINATION
Regular Examination :NOV-DEC 2013
2CE505/2IT505 : Advanced Java

Time: 3 Hours]

[Total Marks: 70

Instructions:

1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

SECTION-I

Q.1 Answer the following.

(A) Differentiate Heavy weight and Light weight components. (6)

(B) Explain various types of JDBC drivers with advantages & disadvantages. (6)

OR

Q.1 Answer the following.

(A) Explain Border Layout with suitable example. (6)

(B) Create a JSP Page to implement the Include and Scripting elements with an example. (6)

Q.2 Answer the following.

(A) Differentiate doGet() and doPost() methods with example. (6)

(B) With the help of <jsp:useBean>, <jsp:setProperty>, <jsp:getProperty> action elements call JavaBean from a JSP page for StudentInfo (e.g. id, Name, Address) application. (5)

OR

Q.2 Answer the following.

(A) Describe Directive Elements for JSP. (6)

(B) Explain JSP Architecture in detail. (5)

Q.3 Answer the following.

(A) Explain JSTL with example in detail. (6)

(B) What is Expression Language? Discuss features with an example. (6)

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SECTION-II

Q.4 Answer the following.

- (A) Describe a typical HTTP session. Define various HTTP request methods. (6)
(B) Write a servlet to display session lifecycle information using various methods of HttpSession interface and Session Tracking API. (6)

OR

Q.4 Answer the following.

- (A) Write a Servlet program to access first-name, last-name and email-id from table CONTACT using JDBC API. (6)
(B) Describe Properties and Introspection in Java Beans. (6)

Q.5 Answer the following.

- (A) Explain Message Driven Bean in EJB. (6)
(B) Describe Java Persistence API with an example. (5)

OR

Q.5 Answer the following.

- (A) Define JPA and Entity Manager API. (6)
(B) Draw the layered architecture of EJB and explain its components briefly. (5)

Q.6 Answer the following.

- (A) What is XML? Explain XML Syntax rules with example. (6)
(B) Define Schema? Explain DTD schema elements with an example. (6)