

DHARMSINH DESAI UNIVERSITY, NADIAD FACULTY OF TECHNOLOGY B.TECH - SEMESTER - VI, IT

SUBJECT: (1T 617) ADVANCED JAVA TECHNOLOGY

Examination : First Sessional : 12/01/2018 Date : 12:00 to 1:15 PM Time

Seat No. Day

Max. Marks

: Friday : 36

INSTRUCTIONS:

- Figures to the right indicate maximum marks for that question.
- The symbols used carry their usual meanings.
- Assume suitable data, if required & mention them clearly.
- Draw neat sketches wherever necessary.

Q.1	(a) What are common tasks performed by Servlet Container? (b) Explain how to read http header information in servlet? (c) What is the purpose of using init() method of a servlet? (d) How to achieve batch Processing in jdbc and what are its benefits? (c) Differentiate following idea methods: execute(), execute() and executeUpdate()?	[12] [2] [2] [2] [2] [2] [2]
Q.2	Attempt Any Two from the following questions. (a) Write a Java application that inserts numerical data into a table. The application (i) retrieves the input values from the command line and (ii) uses a preparedStatement for insert operations. The application must restore the initial state of the table as soon as a negative number appears in the input. (b) 1. What is the use of ResultSet interface in jdbc, explain updatable and scrollable resultset with an appropriate example.	[12] [6] [4] [2] [3]
Q.3	Attempt following questions. (a) Draw and discuss servlet life cycle. What is use of .war file? Which components .war file contains? (b) A company manufactures different types of Televisions. The company wants to automate the process of viewing the specifications (screen size, resolution, Wi-Fi support, Aspect ratio) of Television using HTML and servlet pages. You have to implement the following functionalities for this application: 1. Servlet page for login, and logout with session management. 2. Servlet page which takes Television id and Television name as HTTP request GET parameters and sends the specifications and price of the Television to the client.	[12] [5]
Q.3	Attempt following questions. (a) Explain with Figure: How do servlets (through servlet container) handle multiple simultaneous requests? (b) What is a session in servlet? How to create a session in servlet? How to update an attribute in session in servlet? Explain with code: How the session can be managed between different client requests?	[12] [5] [7]