

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER- V EXAMINATION – WINTER - 2017

Subject Code: 3650005

Date: 29/11/ 2017

Subject Name: Java Web Technology (JWT)

Time: 10:30 AM TO 01:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Explain the servlet life cycle and its corresponding methods. **07**
(b) Explain any seven cookie attributes. **07**
- Q.2 (a)** What is MVC? Justify the meaning of each word in its full-form. What is importance of using MVC? **07**
(b) What are 'scoped variables'? With suitable example, explain process of accessing scoped variables. **07**
- OR**
- (b)** Explain any seven standard CGI variables. **07**
- Q.3 (a)** What are Beans? Explain different ways of sharing beans. **07**
(b) List and explain the pre-defined variables of JSP. **07**
- OR**
- Q.3 (a)** Explain any seven attributes of the JSP page directive. **07**
(b) Taking suitable example, explain use of standard action tags: <jsp:plugin>, <jsp:include> and <jsp:forward>. **07**
- Q.4 (a)** Discuss any seven elements of web.xml file. **07**
(b) Explain the javax.servlet.Filter interface with its all methods and their arguments and thrown exceptions. **07**
- OR**
- Q.4 (a)** What is a filter? Can a filter be attached to one or more servlets? Explain basic steps of creating a filter. **07**
(b) List and explain importance of any seven kinds of event listeners that respond to web-application life-cycle events. **07**
- Q.5 (a)** 'Spring has made enterprise Java development easier.' Justify this statement. **07**
(b) Explain any seven JSTL tags. **07**
- OR**
- Q.5 (a)** Discuss various ways of wiring beans together in Spring. **07**
(b) What is JSP? Explain advantages of JSP over servlets. **07**
