

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-IV EXAMINATION – WINTER 2018

Subject Code: 640002

Date: 19/11/2018

Subject Name: Web Technology & Application Development

Time: 10.30 am to 1.00 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) Fill in the blanks : 07**
- (1) CGI Stands for _____.
 - (2) All filters must implement _____ interface
 - (3) _____ method is useful to read data coming from HTML page to Servlet.
 - (4) When we create any servlet it must extend _____.
 - (5) In GET method data will be passed through _____.
 - (6) The index of first column in ResultSet is _____.
 - (7) Full form of JSTL _____.
- (b) Explain Servlet life cycle with example 07**
- Q.2 (a) Discuss various ways to prevent use of EL in our JSP Page 07**
- (b) Write steps for MVC architecture - Also justify how MVC is better compare to regular Servlet-JSP implementation. 07**
- OR**
- (b) (1) Servlet uses two generalize methods doGet and doPost in its lifecycle service() method. - Which is to be used when ? Justify your answer by giving difference between both of them. 03**
- (2) In one JSP page another JSP page can be included using two different ways - explain both the ways with proper justification. 04**
- Q.3 (a) Write down steps for JDBC with example. 07**
- (b) Write down steps for creating filters in detail. 07**
- OR**
- Q.3 (a) Write any five attributes of page directive. 07**
- (b) Write down following JSTL Tags with example 07**
- (1) c:out
 - (2) c:forEach
 - (3) c:forTokens
 - (4) c:if
 - (5) c:choose
- Q.4 (a) Write down steps to create form based authentication with suitable example. 07**
- (b) State any five response headers in detail. Also explain any two status codes. 07**
- OR**
- Q.4 (a) What do you mean by Cookies? Mention the benefits of Cookies. How will you set and get cookies in servlet, explain with example. 07**

- (b) Write down steps for creating our own tag with example **07**
- Q.5** (a) Describe the use of `getParameter()`, `getParameterValues()` and `getParameterNames()` with suitable example. **07**
- (b) Explain at-least seven new features of Servlet 3.0 specification. **07**

OR

- Q.5** (a) Describe following deployment descriptor tags in detail **07**
- (1) `<context-param>`
 - (2) `<error-code>`
 - (3) `<display-name>`
 - (4) `<include-prelude>`
 - (5) `<mime-mapping>`
 - (6) `<error-page>`
 - (7) `<jsp-file>`
- (b) What is Struts? Explain Struts flow of control with diagram. **07**
