

Seat No.: _____

Enrolment No. _____

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

Subject Code: 3650005

Date: 26/11/2018

Subject Name: Java Web Technologies

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)** State whether the following statements are True or False. Give justification for your answers: **07**
1. In context of Java Servlets, CGI stands for Computer Graphical Interface.
 2. API stands for Applied Processing International.
 3. 'Servlet' is also a name of an interface in Java.
 4. The concept of MVC can only be applied specifically for integrating JSP and Servlets in Java.
 5. Processing of Servlets is slower than that of HTML pages.
 6. It is possible to call a HTML page from a Servlet.
 7. A cookie can contain unlimited amount of information.
- (b)** Explain the stages of Servlet life cycle with the corresponding methods. **07**
- Q.2 (a)** Compare and contrast Session cookies and Persistent cookies. **07**
- (b)** What is a Filter? With a suitable example of code snippet, explain filter mapping elements. **07**
- OR**
- (b)** What is difference between use of Servlet Filter and Servlet Listener? List and explain use of any five Servlet listeners. **07**
- Q.3 (a)** What are different types of scopes of Java Beans? Explain them in detail. **07**
- (b)** What is full form of XML? With suitable examples, explain use of any six action tags of JSP. **07**
- OR**
- Q.3 (a)** What are the three types of scripting elements in JSP? With suitable examples, explain each of them. **07**
- (b)** With suitable example, explain the use of JSP page directive with its attributes. **07**
- Q.4 (a)** List and with suitable example of each explain any seven JSP EL operators. **07**
- (b)** How can you create a MVC application? Explain the steps in detail. **07**
- OR**
- Q.4 (a)** List and with suitable example of each, explain any seven JSP implicit objects. **07**
- (b)** What is full form and use of JSTL? Explain any of its five tags. **07**
- Q.5 (a)** What is full form of URL? Which package includes HttpServletRequest interface? Explain any five methods of this interface. **07**
- (b)** Compare and contrast JSP and Servlets. **07**
- OR**
- Q.5 (a)** What is a comment in programming? With suitable example of each, explain ways of writing comments in JSP, Servlets and HTML. **07**
- (b)** What is full form of HTTP? What is HTTP Status Code? Explain any five types of HTTP Status Codes. **07**
