

MCA
(SEM IV) THEORY EXAMINATION 2018-19
WEB TECHNOLOGY-2

Time: 3 Hours

Total Marks: 100

Note Attempt sections in any order as you wish. You are allowed to use a calculator.

SECTION A

1. Attempt all questions briefly. 2 x 10 = 20

- a. Explain how EJB can be made?
- b. Define EAR, WAR and JAR?
- c. Why Http Servlet class is declared abstract?
- d. Write short note on response Wrapper class.
- e. What are the four types of J2EE modules?
- f. What does web module contain?
- g. What is Elements of security?
- h. Write down the general security principles.
- i. How to destroy cookies in PHP?
- j. Write Short Note on: Chr() and strlen().

SECTION B

2. Attempt any three of the following: 10 x 3 = 30

- a. Diagrammatically illustrate and discuss the Enterprise Java Bean (EJB) architecture.
- b. How do we handle in JavaScript? What is the difference between Java and JavaScript? Describe the strengths and weakness of JavaScript.
- c. What is the difference between?
 - i) COM and DCOM
 - ii) Dynamic Page and Active Page.
- d. List and discuss the key features of Enterprise Java Bean (EJB) technology.
- e. With a suitable example discuss the process of setting cookies, accessing cookies and deleting cookies using PHP.

SECTION C

3. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) What is the functionality of JSP? What are the advantages of JSP over various server side programming techniques? How does JSP handle runtime exceptions?
- (b) Create an application to store the details of all visitors to a website in the database. The database may later be used to mine to get the user preferences for customization.
4. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) Write a session tracker to track the number of users hitting a Webpage?
- (b) Explain Methods of Servlet Request class and their usage.
5. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) How is a connection between an HTML document being displayed by a browser and a CGI server side program established?
- (b) How do you add a node at the beginning of a list of child nodes? Describe how to save a DOM tree in a file.
6. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) What is functionality of HTTP? Describe the architecture of TCP/IP and UDP? Difference between TCP and UDP.
- (b) Discuss the method of calling Java Beans in JSP with example.
7. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) Explain how to share information using scope object in Servlet?
- (b) Write short note on:
- a. Include
 - b. Require
 - c. Strlen
 - d. Strcmp
 - e. Set session