Printed Pages : 2 **Sub Code: CA404**

Paper Id: **214210** **Roll No.** | | | | | | | | | | |

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

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **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().

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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 cooking, accessing cookies and deleting cookies using PHP.

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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

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