

Reg. No. :

Question Paper Code : 10891

M.C.A. DEGREE EXAMINATIONS, APRIL/MAY 2019.

Third Semester

MC 5303 — WEB PROGRAMMING ESSENTIALS

(Regulation 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How static webpage differs from dynamic webpage?
2. Define WWW.
3. What are H1, H2 and H3 in HTML?
4. Define API. Give example.
5. Name few datatypes in Javascript.
6. How windows are different from frames?
7. Define constructor.
8. State any two advantages of AJAX.
9. What is the use of echo?
10. Give the procedure to establish a connection with the backend.

PART B — (5 × 13 = 65 marks)

11. (a) (i) Write the structure of an E-Mail. Which protocol is used in E-Mail? Explain. (6)
- (ii) Discuss the role of HTTP in internet. Differentiate HTTP request and response. (7)
- Or
- (b) (i) Write a brief note on File Transfer Protocol (FTP). (6)
- (ii) Explain the components of WWW architecture with a neat diagram. (7)

12. (a) (i) Discuss the important features of Cascading Style Sheet. (6)
(ii) Explain about various semantic and structural elements used in HTML. (7)

Or

- (b) (i) With suitable example differentiate internal and external CSS. (6)
(ii) Describe how audio and video are embedded in HTML. (7)
13. (a) (i) What do you mean by client-side programming? Explain with example. (6)
(ii) Discuss about various operators in Javascript. (7)

Or

- (b) (i) Brief about various date and math related objects with example. (6)
(ii) How do you validate Login form using Java-script? (7)
14. (a) (i) With suitable example differentiate sub class and super class. (6)
(ii) Define Bootstrap. Explain the components of bootstrap. (7)

Or

- (b) (i) Explain the components of JSON structure with necessary diagram. (6)
(ii) Describe the various object oriented techniques used in Javascript. (7)
15. (a) (i) Write a PHP code to read data from web pages. (6)
(ii) Discuss about the procedure to Setting up the LAMP server environment. (7)

Or

- (b) (i) Narrate the working of web with a neat diagram. (6)
(ii) Explain the various control and looping structures used in PHP. (7)

PART C — (1 × 15 = 15 marks)

16. (a) Create a PHP page and create a user form which gets five subjects marks out of 100 and then displays the mark sheet of the student. Write a PHP Script to update the values in the database with the new marks in subject 5 as "99". (15)

Or

- (b) Write a Javascript code for validating new user registration form which includes the fields like username, password, confirm password, gender, date of birth, contact number and email-id. (15)