Parvatibai Chowgule College ofArts & Science
Autonomous

B.A./B.Sc./B.Voc. Semester End Examination, January/February 2022

Semester: III

Subject: Computer Science

Title: Web Designing (Elective)

Duration: 2 Hours   Max. Marks: 45

Instructions:

- All questions are compulsory.

- Figures to the right indicate marks.

- Support your answers with relevant code whenever necessary.

Q.1) Answer the following questions: (<u>Any THREE</u>)   (3 * 3 = 9)

  (a) Differentiate in terms of their purposes the <article>, <aside> and <section> HTML5 elements.

  (b) What is an image sprite with reference to a web page? Why would you create image sprites?

  (c) Discuss in brief the working of the world wide web.

  (d) Differentiate between: Absolute URLs and Relative URLs

Q.2) Answer <u>ANY TWO</u> of the following: (2 * 6 = 12)

  (a) Discuss the usefulness of attributes to HTML elements. Use any HTML element as a reference for your answer.

  (b) Discuss the advantages and disadvantages of using hosted video services with reference to adding video content to web pages.

  (c) Discuss the advantages of specifying CSS rules using external style sheets. How would you add multiple stylesheets to a web page?

Q.3) Answer <u>ANY TWO</u> of the following: **(2 * 6 = 12)**

    (a) With reference to the MVC architecture, explain model, view and controller. Discuss the benefits of using MVC in the web application development process.

    (b) Discuss : Non-primitive data types in JavaScript.

    (c) What is JQuery? Specify the advantages of it's use? Explain how CSS classes can be manipulated in HTML using JQuery.

Q.4) Answer <u>ANY ONE</u> of the following: **(1 * 12 = 12)**

    (a) What is a form in web page designing? How does it help? Discuss how you would go about developing an effective and user friendly form using the technologies learnt during the semester.

    (b) Design template of web page(s) that are to be offered to the students of Chowgule College to facilitate the registration process for electives in semesters III, IV, V and VI. Discuss using code fragments how you will go about implementing it keeping in mind the need to promote good user interaction and experience.

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