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**Shree Damodar College of Commerce & Economics, Margao-Goa**  
**TY B.C.A, Semester-V Semester End Examination January 2021**

**Web Technology (BCA 502)**

**Duration: 2hrs**

**Max Marks: 50**

**Instructions:**

- 1) Start each question on a fresh page.
- 2) Figures to the right indicate maximum marks.

**Q.1(A) State whether TRUE or FALSE:**

**(5x1=05)**

- (i) In an n-tier Architecture, adding of more tiers helps in distributing functionality.
- (ii) In Browser Components, the UI (User Interface) Backend cannot draw basic widgets like windows and combo boxes.
- (iii) In Cascading Style Sheets, the style Tag is used to include an external Cascading stylesheet file in the HTML (Hyper Text Markup Language ) Code.
- (iv) In Client Side Scripting, to use the same script on many pages, the script file is included as an external file.
- (v) Domain Name System (DNS) is used to map domain names to IP Addresses.

**Q.1(B) Define the purpose of the following, in not more than 20 words:**

**(5x1=05)**

- (i) <script > Tag in HTML
- (ii) Prompt Box/Method in Client Side Scripting
- (iii) getElementById Method
- (iv) XML Vocabularies
- (v) Public Key Cryptography

**Q.2. Answer the following:**

- (i) What is the function of a rendering engine in a Browser? **(2)**
- (ii) Write two points of differences between HTTP GET and HTTP POST Methods. **(3)**
- (iii) Describe with syntax, the different types of Lists and the purpose of Anchor tag in HTML (Hyper Text Markup Language). **(5)**

Q.3. Answer the following:

- (i) How is <DIV> tag different from <SPAN> tag? (2)
- (ii) Mention the purpose of any three attributes of an Image tag in HTML (3)
- (iii) In Client Side Scripting, explain the use of Alert and Confirm Boxes / Methods with examples of each. (5)

Q.4. Answer the following:

- (i) What do you understand by the term Document Object Model (DOM)? (2)
- (ii) Explain any three important components of the Box Model of Cascading Style Sheets (CSS). (3)
- (iii) Write down the detailed steps of connecting to a database and displaying of information on the user's browser which is retrieved from the database using Server Side Scripting. (Note: You may assume and mention any specific Server Side Scripting Language to write the steps). (5)

Q.5. Answer the following:

- (i) What is the importance of Sessions in Server Side Scripting? (2)
- (ii) What is the use of XML (eXtensible Markup Language) and how is it different from HTML (Hyper Text Markup Language)? (3)
- (iii) With the help of a diagram, explain the process of creating and verifying a Digital Signature on a Digitally signed document. (5)

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