

[Total No. of Questions - 9] [Total No. of Printed Pages - 3]

DEC-23-0564

CS-706 (Web Technology)

B.Tech-7th (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: Attempt five questions in all by selecting one question each from section A, B, C and D. Section E is compulsory.

SECTION A

1. a) Write and explain any five HTML form objects that are required for obtaining user details for a typical online user registration process.
b) Discuss the merits and demerits of Embedded Style Sheets. (5+5=10)
2. Write and explain the functioning and optimization of a search engine. (10)

SECTION B

3. a) Explain the client server technology. How it is used in Word Wide Web/ Web server?
b) Write the source code to embed the video/DOM and audio in one page. (5+5=10)
4. Explain the meaning of responsive website. Can HTML/DHTML/ CSS be used to develop such site? (10)

SECTION C

5. What is the difference between XML and HTML? How XML provide additional flexibility for developer to develop any page? (10)

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6. Create HTML Page for following features. (10)
 - Create an unordered list.
 - Create an ordered styles.
 - Use various bullet Styles.
 - Created nested Lists.
 - Use graphics as Bullets

SECTION D

7. Write a source code for the following database (10)

An organisation wishes to maintain the status about the working hours made by its employees. For that it uses the following tables.

Emp (eid: integer, ename: string, age: integer, salary: real)

Works (eid: integer, did: integer, pct_time: integer)

Dept (did: integer, budget: real, managerid: integer)

An employee can work in more than one department; the pct_time field of the works relation shows the percentage of time that a given employee works in a given department.

8. a) With suitable examples, explain working of any web site.
b) With the neat block diagram, explain the CSS Box Model. (5+5=10)

SECTION E

9. Explain following terms (10×2=20)
 - 1) What are forms?
 - 2) Define table, TR, TD AND TH tag.
 - 3) How to use PHP with a MySQL database?

[P.T.O.]