

NB:

TE Sem - V (ECS) R-19

1. Question No. 1 is compulsory and solve any THREE questions from remaining questions
2. Assume suitable data if necessary
3. Draw clean and neat diagrams

Q1 Attempt any four

Marks

- a. Write HTML code to construct the following table

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My favorite textbooks

No.	Name	Author
1	Database Management Systems	Henry Korth
2	Automata Theory	jeffrey ullman
3	Data Mining	jiawei Han

- b. Write HTML and CSS code to construct the following navigation menus

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Home      About Us      Products      Services      Portfolio      Contact

- c. Write the code using appropriate language to change the color of a button to yellow as soon as the mouse pointer is kept on the button.

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- d. Discuss the features of Laravel framework.

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- e. Write short notes on JQuery getters and setters.

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- Q2 a. Write HTML code to build the following content. The user should be able to select only one car from the available cars such as: Audi, Nano, Alto, WagonR. If the user clicks on "Submit" button, it should re-direct it to "www.google.com"

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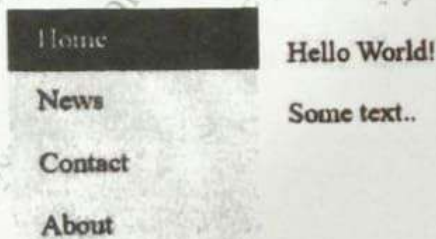
**My favorite cars**

Choose your favorite car:

Choose a car:

- b. Write HTML / CSS code to construct the following content with nav-bar. By default "Home" should be selected with black color. The color of other nav-bar menu should get changed automatically to "green", if you put the mouse cursor on that nav-bar menu.

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- Q3 a. Create a form using basic HTML to accept a number from the user with or without '+' or '-' sign. If the user has entered a pop-up box should appear with the message "you have entered a valid number". If the number entered by the user is not a valid number, then a message "you have entered an invalid number" should appear in the pop-up box. 10
- b. Write short notes on bootstrap grid system. Write the code using bootstrap to divide a page into two parts vertically. In left hand side part, list your favorite cricketers (any 4). In right hand side part, list your favorite scientists (any 4). 10
- Q4 a. Write the code in PHP to create a web page as shown below. When a file has been successfully uploaded the message "No image has been uploaded" should be changed to "image has been successfully uploaded". Note: only the mentioned file formats should be allowed for upload. 10

Select a JPG, GIF, PNG or TIF File:  No file chosen

No image has been uploaded

- b. Write short notes on MVC architecture. 10
- Q5 a. Write the code using PHP and JQuery, to create following web page. The "Hide/Unhide me" button should be used to hide and unhide the text displayed on the web page alternatively. 10

I like web programming.

I like Database Management Systems

- b. Create four buttons with different colors using bootstrap. All four button should contain spinner (loading) symbol. Out of these buttons, one button should be in permanently disabled state. 10
- Q6 a. Write the code in PHP to connect to the database called as "mydb". The database username is "root" and the password for the user root is: "Test123". If the connection is successful, it should display the message "Connection established" on the screen. Otherwise it should print the message "Error in establishing connection". Now In this database create a table called "myguests" with the attributes "id", "first\_name", "mobile\_no" using PHP. 10
- b. Write the code using HTML and JavaScript, which will display alert box with the message "Please enter a pass phrase". When clicked on "ok" button, the code should check whether the password entered by the user contains characters a-z and numbers 0-9. If so, it should print the message "password contains valid characters". If any special character is present in the password, it should print the message "invalid password" 10