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CS101 Introduction to Computing

Final Term Examination – Spring 2005

Time Allowed: 150 Minutes

Please read the following instructions carefully before attempting any question:

- 1. This examination is closed book, closed notes, closed neighbors.**
- 2. Answer all questions.**
 - a. There is no choice.**
 - b. You will have to answer correctly all questions in this examination to get the maximum possible marks.**
- 3. Do not ask any questions about the contents of this examination from anyone.**
 - a. If you think that there is something wrong with any of the questions, attempt it to the best of your understanding.**
 - b. If you believe that some essential piece of information is missing, make an appropriate assumption and use it to solve the problem.**
- 4. Examination also consists of multiple-choice questions. Choose only one choice as your answer.**
 - a. If you believe that two (or more) of the choices are the correct ones for a particular question, choose the best one.**
 - b. On the other hand, if you believe that all of the choices provided for a particular question are the wrong ones, select the one that appears to you as being the least wrong.**
- 5. All Web development questions should be answered using the HTML/JavaScript syntax.**

****WARNING: Please note that Virtual University takes serious notice of using unfair means. Anyone found involved in cheating will get 'F' grade in this course.**

Question No. 1**Marks : 02**

_____ is the protocol used for file transfer.

- ☐ www
- ☐ smtp
- ☐ ftp
- ☐ http

Question No. 2**Marks : 06**

What is difference between SMTP and POP?

Question No. 3**Marks : 02**

_____ is the correct JavaScript syntax.

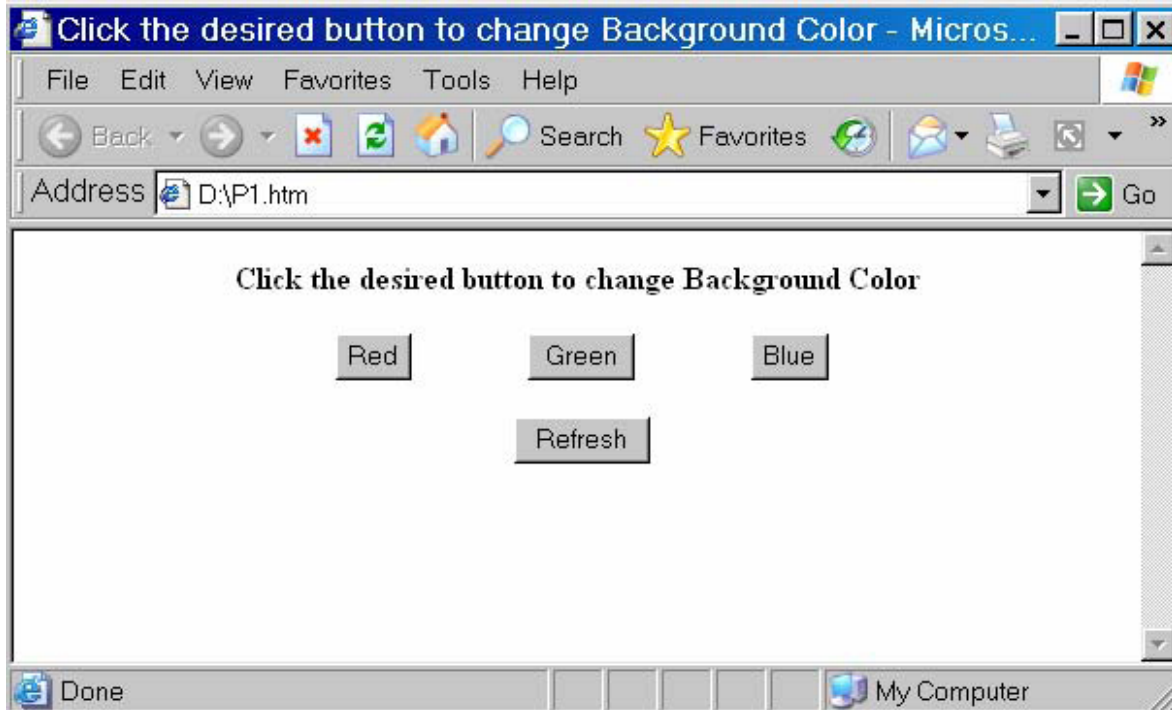
- ☐ while{a<=b}
- ☐ while{a<=b};
- ☐ while(a<=b);
- ☐ while(a<=b)

Question No. 4**Marks : 02**

You are required to develop a web page using HTML and JavaScript. Page should have 4 buttons. Three buttons have different color(Red,Green,Blue). Fourth button is used as "Refresh" button. Finally the page should be represented as given in Fig.

Develop a function in JavaScript that changes the color of the back ground according to the button clicked. "Refresh" buttons is use to reset the color of page.Hint: Refresh button is used to set the background color of the page to white.

[Example: When Green button is clicked the back ground color will be set to "Green" and so on.]

**Question No. 5****Marks : 02**

Examine and write down the value printed after execution of following statements.

1. `document.write(2 + Math.PI);` (`Math.PI=3.141`)
2. `document.write("2" + "3");`
3. `document.write("2" + Math.PI);`
4. `document.write("Yes" + false);`
5. `document.write(2 + 3);`

Question No. 6**Marks : 02**

Applications talk to devices through the OS and OS talks to and manages devices through_____ .

- ☐ Application Interface
- ☐ File System
- ☐ Device Driver
- ☐ Kernel

Question No. 7

Marks : 02

How Data Security can be improved in Database Management System?

Question No. 8

Marks : 02

_____ is readily understood by microprocessors and this language is very difficult to write in for human programmers.

- ☐ Low Level Language
- ☐ Machine Language
- ☐ High Level Language
- ☐ Assembly Language

Question No. 9

Marks : 08

- a) Write an Inline JavaScript code that prompts the message "Welcome to VU" when button is clicked.
- b) Convert the binary number 1110011 into decimal number System. Mention each step.

Question No. 10

Marks : 02

Examine the syntax carefully and determine the output:

```
name = "virtual university" ;  
document.write( name.toUpperCase( ) ) ;
```

- ☐ virtual university
- ☐ Virtual University
- ☐ Virtual university
- ☐ VIRTUAL UNIVERSITY]

Question No. 11

Marks : 08

Define AI (Artificial Intelligence) in one line. Name sub categories of AI.