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མུ་ཏིག་ཐང་འབྲིང་རིམ་སློབ་གྲྭ་གོང་མ།



**MOTITHANG HIGHER SECONDARY SCHOOL**

**THIMPHU THROMDE**

**Trial Examination – 2019**

**Invigilator Signature:**

**Class 12**

**Writing Time: 3 Hours**

**Subject: COMPUTER STUDIES Paper 1**

**Maximum Marks: 100**

**Name:** \_\_\_\_\_ **Sec** \_\_\_\_\_ **Roll No:** \_\_\_\_\_

This paper consists of **TWO** sections: **Section A** and **Section B**. Section A is **COMPULSORY**. Attempt **ANY FIVE** questions out of **SEVEN** questions from Section B. The intended marks for questions or parts of questions are given in brackets [ ].

**SECTION A [50 Marks]**  
**(Attempt ALL questions.)**

**Question 1**

**[10 x 1 = 10]**

**Directions:** Each question in this section is followed by four possible choices of answers. Circle the correct answer.

- i. When a user views a page containing a JavaScript program, which machine actually executes the script?
  - A. The web server.
  - B. The user's machine running a web browser.
  - C. A central machine deep within Netscape's corporate offices.
  - D. The World Wide Web.
- ii. How would you access the element at index 10 in array Country?
  - A. Country[10]
  - B. Country[9]
  - C. Country{10}
  - D. Country{9}
- iii. Which one of the following objects can be used to load a new URL into the browser window?
  - A. document.url
  - B. window.url
  - C. document.location
  - D. window.location
- iv. Which object contains the alert( ) method?
  - A. window
  - B. document
  - C. location
  - D. history
- v. What is meant by "this" keyword in JavaScript?
  - A. It refers current object
  - B. It refers previous object
  - C. It is variable which contains value
  - D. None of the above

- vi. What is the output of the following code?
- ```
function num()
{
    document.write(85+"10"+20);
} num();
```
- A. 115  
B. 10510  
C. 851020  
D. 9520
- vii. The ALT attribute is used to define
- A. description  
B. alternate text  
C. ultimate text  
D. anchor
- viii. You can find all of the stuff that is to be displayed in the browser window in
- A. <html></html>  
B. <head></head>  
C. <title></title>  
D. <body></body>
- ix. Integral part of TCP/IP protocol suite that contains a set of rules which helps in the transfer of files between computers.
- A. File Transmission Protocol  
B. File Transport Protocol  
C. File Transfer Protocol  
D. File Transmitted Protocol
- x. Which attribute specify where to send a form?
- A. Method  
B. Post  
C. Action  
D. Output

## Question 2

[10 x 1 = 10]

**Directions:** Fill in the blanks with appropriate words or phrases.

- i. Web sites are generally housed on\_\_\_\_\_.
- ii. A \_\_\_\_\_ is a section of code that performs a single action.
- iii. Variable names cannot include spaces or any \_\_\_\_\_characters.
- iv. To prevent the user from resizing the frame we can use\_\_\_\_\_ attribute.
- v. If you specified the length when creating the array, this value becomes length \_\_\_\_\_ value.
- vi. If you do not include the TITLE tags then the browser will use the \_\_\_\_\_file name.
- vii. If we want to specify the amount of space between border of the cell and the contents of the cell we can use\_\_\_\_\_ attribute.
- viii. The double-quote marks found around the value of HREF in an anchor are \_\_\_\_\_ under certain specific circumstances.
- ix. JavaScript can \_\_\_\_\_ the contents of a form.
- x. To call a function, use the function's \_\_\_\_\_as a statement in a script.

**Question 3****[15x2=30]**

**Directions:** While answering questions indicate briefly your working and reasoning wherever required.

i. Write the HTML code to display like following.

- January
  - February
  - April
1. Trekking
  2. Tour
  3. Pilgrimage

ii. Using HTML code insert picture and display a message as show below:



iii. Write html code to create a table with 2 rows and 2 columns, width = 500px and border = 1.

iv. Differentiate between web browser and websites.



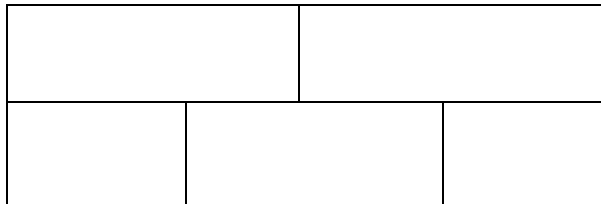
- x. Study the following scripts and write down the output.  
`test = "This is a text";`  
`document.write(test.length);`
- xi. What is the difference between target= “\_blank” and target=“\_top”?
- xii. Write HTML code to generate given form. In Contact No. field user will be allowed to enter only 8 digits.
- Contact No:
- 
- xiii. How do you link [www.bbs.com.bt](http://www.bbs.com.bt) with button?
- xiv. Show with an example how you extract substring from a string.
- xv. Explain with JavaScript coding how you declare a function and make use of it.



iv. JavaScript is an interpreted language. Justify. [3]

**Question 3**

i. Write HTML code to generate following frame; [5]



ii. Write the program that validates user name and password. If user name is “admin” and password is “ping21” then the browser displays the message “Login” otherwise it displays the message “wrong user name and password”. [5]

**Question 4**

i. Write a JavaScript code to print odd numbers from 100 to 20 using for loop. [4]

ii. Define following terms; [2]  
a) Function

b) Methods

iii. Write HTML code to produce following form. [4]

Name:

Gender:  Male  Female

Stream:

Elective subjects:  Media Literacy  Agricultural  IT

Address:



**Question 5**

- i. Differentiate between order and unordered list. [2]
  
- ii. Write HTML code to give an email link to “Webmaster”. [2]
  
- iii. Create an array called school which stores “Dechencholing HSS, Babse MSS, Changzamtog LSS, Jigme Losel Pry School, Druk School” and display the schools in an alphabetical order. [4]
  
- iv. Show with an example how onClick event handler works. [2]

**Question 6**

- i. Explain the difference between built-in objects and Document Object Model with an example. [3]

ii. Using switch case display a message “Smart and Intelligent” if the case is “Scorpion” and “Good in athletic”, if the case is “Capricorn”. [4]

iii. Write HTML code to display as shown below: [3]  
**My Country, My Town**

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### Question 7

i. With an example explain the difference between local and global variables. [4]

ii. Explain why do we use form in HTML? Write down the basic form and its elements consist. [3]

iii. Write a JavaScript code to explain how onmouseover and onmouseout event handlers work with two images “flower.jpg” and “house.jpg”. [3]