



NATIONAL SCHOOL OF BUSINESS MANAGEMENT

BSc in Management Information Systems (Special) (NSBM)– 21.2

BSc (Honours) in Software Engineering (NSBM)– 21.2

BSc (Honours) in Computer Networks (NSBM)– 21.2

BSc (Honours) in Computer Science (NSBM)– 21.2

BSc (Honours) Software Engineering (PU)– 21.2

BSc (Honours) Computer Networks (PU)– 21.2

BSc (Honours) Computer Science (PU)– 21.2

BSc (Honours) Computer Security (PU)– 21.2

Bachelor of Information Technology (NBIT): major in Web and Mobile Application Development (VU)– 21.2

Year 01 Semester 02 Examination

13 August 2022

SE 102.3- Web Application Development

Instructions to Candidates

- 1) **Answer all questions**
- 2) **Time allocated for the examination is five (05) hours (Including downloading and uploading time) . (Note: No email submissions are accepted under any condition.)**
- 3) Weightage of Examination: 60% out of final grade
- 4) Download the paper, provide answers to the selected questions in a word document.
- 5) **Please upload the document with answers (Answer Script) to the submission link before the submission link expires**
- 6) Answer script should be uploaded in PDF Format
- 7) Under any circumstances E-mail submissions would not be taken into consideration for marking. Incomplete attempt would be counted as a MISSED ATTEMPT.
- 8) The Naming convention of the answer script – Module Code_Subject name_Index No
- 9) You must adhere to the online examination guidelines when submitting the answer script to N-Learn.
- 10) Your answers will be subjected to Turnitin similarity check, hence, direct copying and pasting from internet sources, friend's answers etc. will be penalized.

Part A

1. What is the correct method of declaring a JavaScript variable?
 - a) `var newTest`
 - b) `var 1newTest`
 - c) `var new Test`
 - d) `$new_Test`
2. What is **NOT** a heading tag in HTML?
 - a. `<h5>`
 - b. `<h3>`
 - c. `<h4>`
 - d. `<h7>`
3. Inside which HTML element do we put the JavaScript for internal scripting?
 - a. `<script>`
 - b. `<javascript>`
 - c. `<js>`
 - d. `<scripting>`
4. _____ keyword is used to declare variables in php.
 - a. `var`
 - b. `dim`
 - c. `String`
 - d. `No`
5. What does the character set `
` add to your webpage?
 - a. Long break
 - b. Paragraph break
 - c. Line break
 - d. None of above
6. What is the tag used to include CSS using internal method?
 - a. `<A>`
 - b. `<style>`
 - c. `<link>`
 - d. `<Form>`
7. What is correct way to write a CSS color values?
 - a. `p {background-color: black};`
 - b. `p {bg-color: black};`
 - c. `p {background-color: black;}`
 - d. `p <background-color>:{ black };`

8. Which of the following JavaScript objects could be used in handling browser related objects?

- a. Math
- b. window
- c. Date
- d. String

9. _____ character is used to declare variables in javascript.

- a. V
- b. &
- c. \$
- d. None of the above

10. What will be the output of the following **PHP code**?

```
$X = 3;  
$Y = 5;  
$Z=$X+$Y;  
echo Z;
```

- a. 8
- b. 1+2
- c. 1+.2
- d. Error

11. The Attribute of a Form tag is:

- a. Action
- b. Method
- c. Size
- d. a and b

12. What will be the output for the following code.

```
< ?php  
$num = 1;  
$num1 = 2;  
print $num . "+" . $num1 ;  
?>
```

- a. 3
- b. 1+.2
- c. 1+2
- d. Error

13. Which is the correct CSS syntax

- a. body{ color:black}
- b. body {color=Black}
- c. Body (color; black)
- d. None of the above

14. What is W3C ?

- a. World wide web
- b. World Wide Web Consortium
- c. World Wide Web Community
- d. None of the Above

15. Which one is the perfect method to use h1 with id

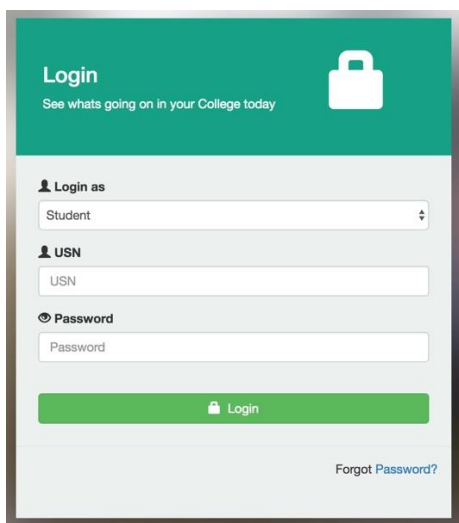
- a. h1.d{ text-decoration:underline}
- b. d#h1{ text-decoration:underline}
- c. d.h1{ text-decoration:underline}
- d. h1#d{ text-decoration:underline}

(2* 15 = 30 Marks)

Part B

1.

- a. Create the Following Login Page using HTML? No Bootstrap classes are necessary to include in the code.
 - Login as List box should have Select, student, staff options.
 - Forgot Password should be connected to new.html page



- b. Write JavaScript coding to change document's background color to yellow when a mouse pointer passes over a paragraph and change the background color to red when the pointer moves off the paragraph. Use necessary HTML tags, JavaScript codes.
- c. Validate the Above Login page using JavaScript ? with following Validations
 - i. USN and Password field is important field.
 - ii. Password should have minimum 6 characters.
 - iii. Login as should be staff or student.

(20 Marks)

2.

- a. Create the following output using HTML and Internal CSS only.

H1 heading,
center aligned,
bold , Underline

Vacancies at our Marketing Department

If you are interested, please forward your CV to Ms.Yashoda –
Asst.Manager HR & Admin. hr@nsbm.lk

For further information call on:

0115445000

H4 heading,

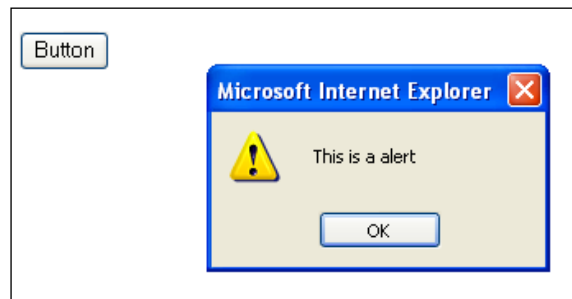
Color: Blue

Font type: Arial

Paragraph alignment: Justified

Font type: Garamond

- b. Write a Java Script coding to display the pop up message box as shown below when the button in the page is clicked



- c. Write a JavaScript program to calculate the area of a rectangle, Width & height should be entered through Prompt box & Display it in the page.

(use $\text{Area} = \text{Width} * \text{height}$)

(20 Marks)

3.

- a. Write a PHP code to create the Following Form and display the content in the next page?

Name

Sex ☒ Male ☐ Female ☐

Address

Age

(Figure : A)

- b. The table “**Salary**” in the database “**Employee**” consists of the fields Emp_No, Name and Salary. Assuming that the database and the table have already been created using MySQL, write a PHP page to update the Salary of any Employee. Emp_no & New salary should be retrieved from User (Create the Essential HTML and Php pages for the update process)

Use the SQL statement:

update Salary set Salary =Y where Emp_no = X

Where X & Y should be replaced with the new values

- c. Display the Entire records available in the above database using a separate php page ?

(30 Marks)