



## **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 <br> 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

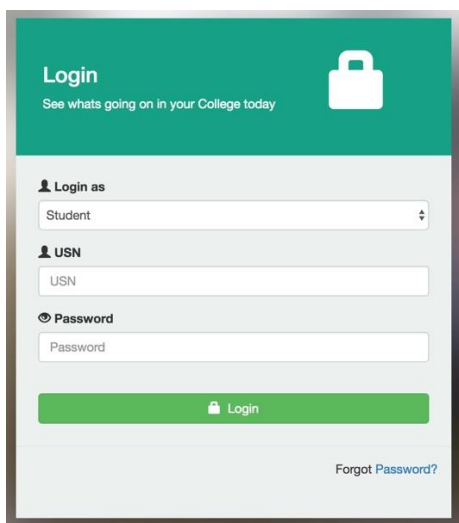
- a. `h1.d{ text-decoration:underline}`
- b. `d#h1{ text-decoration:underline}`
- c. `d.h1{ text-decoration:underline}`
- d. `h1#d{ text-decoration:underline}`

(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](mailto:hr@nsbm.lk)

For further information call on:

0115445000

H4 heading,

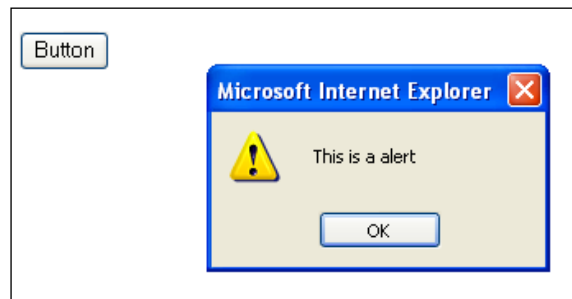
Color: Blue

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)**