



**NATIONAL SCHOOL OF BUSINESS MANAGEMENT**  
**BSc in Management Information Systems (Special) (NSBM) BSc**  
**(Hons) in Management Information Systems (UCD) BSc (Hons) in**  
**Software Engineering (NSBM)**  
**BSc (Hons) in Computer Science (NSBM)**  
**BSc (Hons) in Computer Networks (NSBM) Year**  
**1 Semester 2**  
**14<sup>th</sup> December 2020**  
**SE102.3- Web Application Development**

**Instructions for Candidates**

- 1) Answer All Questions.
- 2) Time allocated for the examination is three and half (3 1/2) hours. Total number of pages – Five (05)
- 3) Use the provided answer booklet to write your answers and upload to the LMS as a PDF file within the stipulated time. This PDF file should be saved with your index no.
- 4) You are required to submit the answer file within the allowed timeframe, and no additional time is provided for submissions.
- 5) All the submissions will be checked for plagiarism. Plagiarism, collusion, and copying are serious offences in the university and serious penalties that would be imposed.
- 6) You are not allowed to publish or disseminate any part of the paper online or offline.

### Question 01

(25 Marks)

a) Create the following web page using HTML:

Diagram illustrating the structure of a web page for the Institute of Arts and Crafts Annual Exhibition.

The page layout includes:

- Image:** A placeholder box for an image.
- H1 heading:** Institute of Arts and Crafts
- H2 heading:** Annual Exhibition
- Text:** The annual Arts and Crafts Exhibition of the Institute of Arts and Crafts will be held on **20/10/2010** from **10.00am** to **10.00pm**.
- Table:**

<b>Venue:</b>	Arts Gallery
<b>Theme of Exhibition:</b>	A Green World
- Text:** If you are interested in sponsoring this event
- Hyperlink:** Visit our institute website

Hyperlink to: <http://www.iac.lk>

The web page should also include:

- Page Title – Institute of Arts and Crafts
- Suitable set of keywords for search engines.
- H1 heading -. The heading should be center aligned, underlined and red in color.
- Page background color: #FFF99D
- Image file- Institute.jpg
- Background color of the first row in the table: #FFDDDA. The table should be center aligned.

b) Create the following web page using HTML. Use an External Style sheet to add the required formatting.

H1 heading:

Font type: Tahoma

Color: blue

40pt center aligned

**Colombo West High School**

World Environmental Day

H1 heading:

Font type: Arial

Size : 30pt , center

Aligned, underlined

Color: green

*Come join us plant 1000 trees on World Environmental Day and make a difference.*

Paragraph:

25pt , italic

Background-color : #FF2CFB

## Question 02

(25 Marks)

Consider the following form:

**Srilanka Automobile Importers Association**

Vehicle Order Confirmation

Credit Card ▼

Write a JavaScript to include the following validations for the data input through the above form.

- The 'Customer Name' field should not be empty.
- The 'E-mail address' entered should be a valid e-mail address.
- The 'Invoice Number' entered should be a numeric value.
- A Payment Method should be selected from the list.
- The "I Agree to the terms and conditions" checkbox should be checked.

Display suitable messages to the user based on the result of each validation.

### Question 03

(25marks)

A) Create the following form using HTML to upload a file.

#### Uploading a file

Select the file to be uploaded



The form consists of a text input field for the file name, a 'Browse...' button to the right of the input field, and a 'Send File' button positioned below the input field.

(20marks)

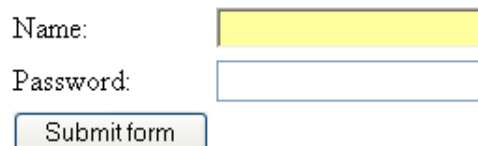
- B) Write a PHP page to display actual name, file type and size of an uploaded file.  
 C) Write a PHP program to display the text content of the uploaded file

### Question 04

(25 marks)

A) Create the following form in HTML. When the user clicks the submit form button, insert data into a database table named login table and display the name and password on the same page below the form using PHP codes.

#### Enter your Data



The form is titled 'Enter your Data'. It contains two labels: 'Name:' and 'Password:'. The 'Name:' label is followed by a yellow rectangular input field. The 'Password:' label is followed by a white rectangular input field. Below these two input fields is a 'Submit form' button.

B) Modify this example so that the username and password will be displayed on a separate page.

- C) Create an HTML form to enter a name and marks of a student. Create a PHP page to access this data and if the student has got marks 50 or above, display the output as "You have Passed" and else display the output as "You have Failed".