NEW CURRICULUM

COMPUTER STUDIES

Paper 2

(PRACTICAL)

(Reading Time: 15 minutes)
(Planning Session: one hour)

(Examination Session: two hours)

(Maximum Marks: 100)

(Candidates are allowed additional 15 minutes for only reading the paper.

They must NOT start writing during this time)

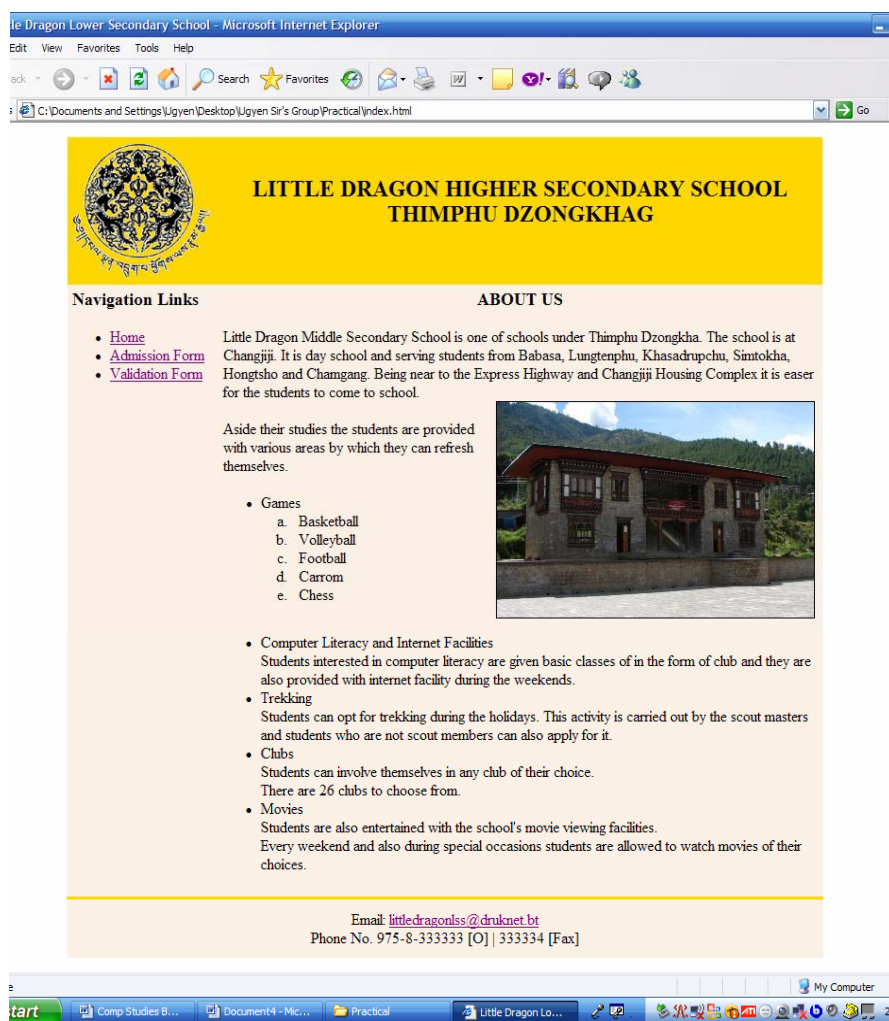**INSTRUCTIONS**

- This paper consists of TWO sections: section A and section B. Section A is purely on HTML. Section B covers both HTML and JavaScript.

- Section A is compulsory. Section B contains **TWO** questions from which you are required to attempt **only ONE of them**.

- All your work should be saved in a folder named with your actual index number on the Desktop. For example, this folder is named with index number 012070990123. Your name or school name CANNOT be used as folder name or file names.

- Students are allowed to use ONLY **Notepad** for this practical. Use of any other HTML editors will result in cancellation of your work.

- The intended marks for questions or parts of questions are given in brackets [ ].

SECTION A [50 marks]
(Compulsory)

Question 1

Create a web page titled "Little Dragon Middle Secondary School". Save it as index.html or index.htm. You are provided with text content and images to be used in the web page. The web page should look similar to the screenshot given below:

INSTRUCTIONS

a. Use table tags to design the layout of the web page with width of 800 pixels and appropriate cell spacing and cell padding similar to the screenshot.

b. The header of the web page contains royal crest and the school name. Use appropriate colour for header, body and footer.

c. In the header, insert image "logo.gif" and heading "Little Dragon Higher Secondary School, Thimphu Dzongkhag". Use appropriate heading level.

d. For the main text, use the text from "content.txt" provided and apply appropriate text formatting.

e. Insert the image "school.jpg" with border and text wrapping in the body.

f. Insert a divider row between body and footer, and apply colour to the row.

g. Provide an email link to **littledragonlss@druknet.bt** with phone numbers in the footer.

h. Depending on your choice of question in Section B, two working navigation links: one to home page and one to the page you created, similar to the screenshot should be present.

SECTION B [50 marks]
(Answer only one of the questions)

Question 2 [50]

You are required to modify the home page and create another web page titled "Admission Form". It should be saved as adm_form.html or adm_form.htm. The web page should look something like the screenshot given below:

INSTRUCTIONS

a. Insert text boxes, labels, drop down menu and buttons as shown in the screenshot above.

b. The RESET button should clear all the entries in the form.

c. Clicking the PREVIEW DETAILS button should display the summary of information in the **new window of dimensions 300 pixels by 300 pixels** as shown below:
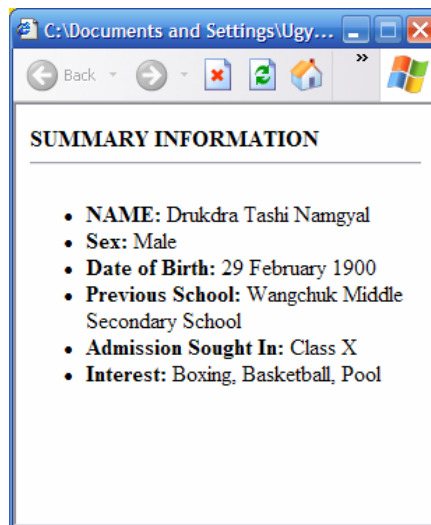
d. Two working navigation links: one to home page and one to the page you created, similar to the screenshot should be present.

Question 3

You are required to modify the home page and create another web page titled "Admission Form". It should be saved as adm_form.html or adm_form.htm. The web page should look something like the screenshot given below:

INSTRUCTIONS

a. Insert text boxes, labels and buttons as shown in the screenshot above.

b. To check whether a candidate is qualified for Science Stream, the validation should be done using **if…else statements**.

   Following validation rules are to be used:

   i.   On clicking on "CHECK" button, the script should first check whether valid marks are entered in Mathematics and Science text field, that is, the fields should not be empty and that the marks entered should not be less then 0 or more then 100.

   ii. The qualifying marks for the Science stream are Mathematics 75% and Science 70% and above in BCSE.

   iii. For each of the above conditions, an appropriate message must be displayed using **alert method**.

c. Use "find out. if" image to find out whether the user fulfils the pre-requisites for taking up Science Stream. On clicking the image, an alert should display with message "You need to obtain PCA with an aggregate of 65%".

d. The button CLEAR FORM should clear all the entries in the form.

e. Two working navigation links: one to home page and one to the page you created, similar to the screenshot should be present.