COMPUTER STUDIES

Paper 2

(PRACTICAL)

(Reading Time: 15 minutes)

(Examination Session: Three hours)

(Maximum Marks: 100)

INSTRUCTIONS

- 1. This paper consists of **TWO** sections: **Section A** and **Section B**. **Section A** is purely on HTML. **Section B** covers both HTML and JavaScript.
- 2. **Section A** is compulsory. **Section B** contains **TWO** questions from which you are required to attempt only **ONE of them**.
- 3. **All** your work including any graphics used should be saved inside a folder named with your actual index number on the Desktop.



For example, like this folder 012071090123 is named with the index number 012071090123. Your name or school name **CANNOT** be used as folder name or file names.

- 4. You are allowed to use **ONLY Notepad** for this practical. Use of any other HTML editors will result in cancellation of your work.
- 5. The intended mark for questions are given in brackets [].
- 6. Make sure that your folder is handed over to the visiting examiner at the end of the examination.

SECTION A [50 Marks]

Attempt ALL question.

Question 1 [50]

Design a webpage *index.html* with the title "Star Book Store" as show in the Figure 1.



Figure 1

Instructions

- i) Use html table tags to design the layout of the webpage with appropriate sizes as shown in Figure 1.
- ii) Header section should contain *company's name*, *navigation bar*, and *textboxes* to display total number of items in *Shopping Cart* and *Wish List*.
- iii) Add a marquee above the books as shown in Figure 1.
- iv) Add **four** books with costs. For each book, insert **two** buttons, one for "*Add To Cart*" and one for "*Add Wish List*". You can use any pictures or clipart available in your computer as thumbnails for the books.
- v) Create a form for *Shipping Details*. The form should contain shipping details with relevant form controls as shown in Figure 1.
- vi) Add another form for *Shopping Cart Status* and *Wish List Status* with *textareas* and *textboxes* as shown in Figure 1.

- vii) Add *copyright information*, *address* and *social links* in the footer region as shown in Figure 1.
- viii) Use an appropriate background colour, font style for header, body and footer regions.
- ix) Make sure you follow good programming practices while designing the web page.

SECTION B [50 Marks]

Attempt ANY ONE question.

Question 2 [50]

Using *index.html* as a template create another webpage with the title "*Star Book Store - Shopping Cart*". Save the new page as *shoppingcart.html*.

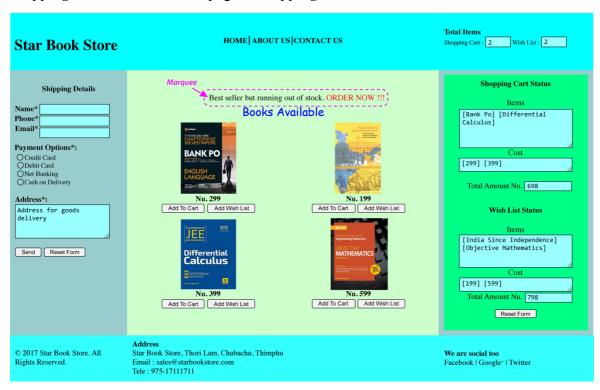


Figure 2

Instructions

- i) Write a function cart () to display the items, costs, and total cost in the *Shopping Cart Status* area and also display the number of items in *Shopping Cart* textbox in the header region.
- ii) Write another function wish () to display the *items*, *costs*, and *total cost* in the *Wish List Status* and also display the number of items in the *Wish List* textbox in the header region.

- iii) When Add To Cart button is clicked, the cart () function should execute.
- iv) When Add Wish List button is clicked, the wish () function should execute.
- v) **Reset Form** button should clear the user input.
- vi) You should follow good coding techniques and programming practices.

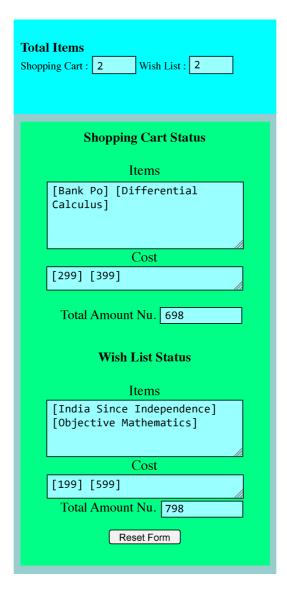


Figure 3

Question 3 [50]

Using the *index.html* as a template create another webpage with the title "*Star Book Store - Shipping Details*". Save the new page as *shippingdetails.html*.



Figure 4 (a)



Figure 4 (b)

- i) Write the function validate_data() to validate the shipping details entered by the user when **Send** button is clicked. Validations rules are as follows:
 - (a) If any field is left empty, the message "All fields are compulsory." should be displayed.
 - (b) If the payment option is not selected, the message "Choose one payment option." should be displayed.
 - (c) If the mobile number entered by the user is not 8 digits, the message "*Please* enter 8-digit phone number." should be displayed.
- ii) Write a function <code>viewInformation()</code> to display the information if the shipping details entered by the user is correct. The user information should be displayed in a new window as shown in the figure given below. Add an <code>Exit</code> button along with the information, clicking on which the window should exit.

Information submitted to us will be kept confidential.

1. **Name**: Pema Thinley

2. **Phone Number**: 17111711

3. **Email**: pema_t@gmail.com

4. **Payment**: Cash on Delivery

5. **Address**: Pema Thinley, Building No. 7, Babesa Lam, Thimphu

Exit

- iii) Reset Form button should clear the user input.
- iv) You should follow good coding techniques and programming practices.