

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*.

Star Book Store

Shipping Details

Name*

Phone*

Email*

Payment Options*:

Credit Card
 Debit Card
 Net Banking
 Cash on Delivery

Address*:

Books Available



Nu. 299



Nu. 199



Nu. 399



Nu. 599

Marquee
 Best seller but running out of stock. **ORDER NOW !!!**

Total Items
 Shopping Cart : 2 Wish List : 2

Shopping Cart Status

Items
[Bank Po] [Differential Calculus]

Cost
[299] [399]

Total Amount Nu. 698

Wish List Status

Items
[India Since Independence] [Objective Mathematics]

Cost
[199] [599]

Total Amount Nu. 798

© 2017 Star Book Store. All Rights Reserved.

Address
 Star Book Store, Thorli Lam, Chubachu, Thimphu
 Email : sales@starbookstore.com
 Tele : 975-17111711

We are social too
[Facebook](#) | [Google+](#) | [Twitter](#)

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.

Total Items Shopping Cart : <input type="text" value="2"/> Wish List : <input type="text" value="2"/>							
Shopping Cart Status <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Items</td> <td style="width: 50%; padding: 5px;">Cost</td> </tr> <tr> <td style="padding: 5px;">[Bank Po] [Differential Calculus]</td> <td style="padding: 5px;">[299] [399]</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">Total Amount Nu. <input type="text" value="698"/></td> </tr> </table>		Items	Cost	[Bank Po] [Differential Calculus]	[299] [399]	Total Amount Nu. <input type="text" value="698"/>	
Items	Cost						
[Bank Po] [Differential Calculus]	[299] [399]						
Total Amount Nu. <input type="text" value="698"/>							
Wish List Status <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Items</td> <td style="width: 50%; padding: 5px;">Cost</td> </tr> <tr> <td style="padding: 5px;">[India Since Independence] [Objective Mathematics]</td> <td style="padding: 5px;">[199] [599]</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">Total Amount Nu. <input type="text" value="798"/></td> </tr> </table>		Items	Cost	[India Since Independence] [Objective Mathematics]	[199] [599]	Total Amount Nu. <input type="text" value="798"/>	
Items	Cost						
[India Since Independence] [Objective Mathematics]	[199] [599]						
Total Amount Nu. <input type="text" value="798"/>							
<input type="button" value="Reset Form"/>							

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*.

Star Book Store

HOME | ABOUT US | CONTACT US

Total Items
Shopping Cart : Wish List :

Shipping Details

Name*
Phone*
Email*

Payment Options*:
 Credit Card
 Debit Card
 Net Banking
 Cash on Delivery

Address*:

Books Available

Marquee Best seller but running out of stock. [ORDER NOW !!!](#)


Nu. 299


Nu. 399


Nu. 199


Nu. 599

Shopping Cart Status

Items

Cost

Total Amount Nu.

Wish List Status

Items

Cost

Total Amount Nu.

Address
Star Book Store, Thorli Lam, Chubachu, Thimphu
Email : sales@starbookstore.com
Tele : 975-17111711

We are social too
Facebook | Google+ | Twitter

Figure 4 (a)

Star Book Store

Shipping Details

Name*
Phone*
Email*

Payment Options*:
 Credit Card
 Debit Card
 Net Banking
 Cash on Delivery

Address*:

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:

- If any field is left empty, the message "*All fields are compulsory.*" should be displayed.
- If the payment option is not selected, the message "*Choose one payment option.*" should be displayed.
- 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 `viewInformation()` 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 **Exit** 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.

