

**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.

**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\*:**  
Address for goods delivery

**Books Available**

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

**Books Available**

**BOOK PO**  
17 YEARS (2001-2018) CHAPTERWISE SOLVED PAPERS  
ENGLISH LANGUAGE  
Nu. 299

**JEE**  
Differential Calculus  
Nu. 399

**BOOK PO**  
17 YEARS (2001-2018) CHAPTERWISE SOLVED PAPERS  
ENGLISH LANGUAGE  
Nu. 199

**OBJECTIVE MATHEMATICS**  
Engineering Entrance  
Nu. 599

**Shopping Cart Status**

Items   
Cost   
Total Amount Nu.

**Wish List Status**

Items   
Cost   
Total Amount Nu.

© 2017 Star Book Store. All Rights Reserved.  
Address  
Star Book Store, Thori Lam, Chubachu, Thimphu  
Email : sales@starbookstore.com  
Tele : 975-17111711

We are social too  
Facebook | Google+ | Twitter

Figure 1

### Instructions

- Use html table tags to design the layout of the webpage with appropriate sizes as shown in Figure 1.
- Header section should contain *company's name*, *navigation bar*, and *textboxes* to display total number of items in *Shopping Cart* and *Wish List*.
- Add a **marquee** above the books as shown in Figure 1.
- 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.
- Create a form for *Shipping Details*. The form should contain shipping details with relevant form controls as shown in Figure 1.
- 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.

**Total Items**  
Shopping Cart :  Wish List :

**Shopping Cart Status**  

**Items**  

[Bank Po] [Differential  
Calculus]

**Cost**  

[299] [399]

**Total Amount Nu.**

**Wish List Status**  

**Items**  

[India Since Independence]  
[Objective Mathematics]

**Cost**  

[199] [599]

**Total Amount Nu.**

*Figure 3*

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### 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*.

The screenshot shows the Star Book Store website with a blue header. The header contains the store name, navigation links (HOME, ABOUT US, CONTACT US), and a shopping cart summary. The main content area is divided into three columns. The left column is for shipping details, the middle for books available, and the right for shopping cart status. The shipping details section includes fields for name, phone, email, payment options, and address. The books available section displays four books with their covers, prices, and 'Add To Cart' and 'Add Wish List' buttons. The shopping cart status section shows the items in the cart, cost, and total amount. The footer contains copyright information, address, and social media links.

**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 !!!

**BANK PO**  
English Language  
Nu. 299

**JEE**  
Differential Calculus  
Nu. 399

**Mathematics**  
Nu. 199

**Mathematics**  
Nu. 599

**Shopping Cart Status**

Items

Cost

Total Amount Nu.

**Wish List Status**

Items

Cost

Total Amount Nu.

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

**We are social too**  
Facebook | Google+ | Twitter

Figure 4 (a)

The screenshot shows the Star Book Store website with a blue header. The header contains the store name. The main content area is a single column for shipping details. The shipping details section includes fields for name, phone, email, payment options, and address. The footer contains copyright information, address, and social media links.

**Star Book Store**

**Shipping Details**

Name\*   
Phone\*   
Email\*

**Payment Options\*:**

☐ Credit Card  
☐ Debit Card  
☐ Net Banking  
☒ Cash on Delivery

**Address\*:**

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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 `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.



