



COMSATS University Islamabad, Wah Campus
Mid-Term Examination Fall 2023
Department of Computer Science

Program(s)/Classes: BCS-6A, 6C and 6D

Subject: Web Technologies

Instructor Name(s): Mr. Adeel Ahmed

Date: 31st October 2023

Maximum Marks: 25

Total Time Allowed: 1.5 hr

Note: Solve the questions on the Answer Sheet. Attempt all questions.

Scenario:

Mr. Arshad is an entrepreneur operating a successful logistics business in Dubai. In response to evolving business needs and the demand for a more streamlined and customer-centric approach, Mr. Arshad now recognizes the importance of establishing a web presence for his logistics company. The website should provide registered and new customers with user-friendly booking, user registration, fare search, and a dynamic client feedback repository accessible and manageable via an admin panel.

Question No. 1

5 - Marks (C1)

How would you design a responsive web page layout using HTML and CSS, incorporating selectors, flexbox, and grid to meet the specific requirements of the above scenario?

- How can you use HTML to create an organized table to display fare information?
- What HTML elements are typically used to construct a form for user registration on the site?
- Describe the key principles and techniques of creating a responsive web design using HTML and CSS.
- Provide an example of how media queries can be used in CSS to ensure Mr. Arshad's logistics website adapts to various screen sizes and devices.
- Compare and contrast the use of CSS grid and flexbox for creating responsive and flexible layouts on web pages.

Question No. 2

10 - Marks (C2)

Odd Row Question:

In the context of Mr. Arshad's logistics business website, can you identify the elements and functionalities that necessitate the implementation of PHP CRUD (Create, Read, Update, Delete) operations? → Admin panel

Even Row Question:

Within the website's structure would you apply these PHP CRUD operations to achieve the specified goal for Mr. Arshad's logistics business website?