

Standard Correction :

Question 1 (5 points):

*** Which programming languages are commonly used for web development?**

- ☐ -Python
- ☒ -HTML
- ☒ -JavaScript

*** What does HTML stand for in web development?**

- ☐ -Hyperlink and Text Markup Language
- ☐ -Hyper Transfer Markup Language
- ☒ -Hypertext Markup Language

*** What is the role of JavaScript in web development?**

- ☐ -Handling Server-Side Logic
- ☒ -Enhancing User Interface and Interactivity
- ☐ -Structuring Content and Layout

*** What is the purpose of CSS (Cascading Style Sheets) in web development?**

- ☐ -Database Management
- ☒ -Presentation and Styling
- ☐ -Client-Side Scripting

*** Which of the following is a server-side scripting language?**

- ☐ -JavaScript
- ☒ -PHP
- ☐ -CSS

Question 2 (2 points) :

*** Can JavaScript be used for both client-side and server-side scripting?**

- ☒ Yes
- ☐ No

*** Does PHP stand for "Personal Home Page"?**

- ☐ Yes
- ☒ No

Question 3 (4 points):

***Which of the following is an example of a multitasking operating system?**

- ☐ -Windows
- ☐ -MS-DOS
- ☒ -Linux

***Which scheduling algorithm is based on priority levels assigned to tasks?**

- ☐ -First-Come-First-Serve (FCFS)
- ☐ -Round Robin
- ☐ -Create a new directory

***What is the significance of the initial value of a semaphore?**

- ☒ -Determines the number of processes allowed access
- ☐ -Specifies the priority level of proces
- ☐ -Sets the maximum number of semaphores in the system

***In a producer-consumer problem using semaphores, what does the semaphor control to prevent issues?**

- ☐ -Number of consumers
- ☐ -Number of producers
- ☒ -Buffer size

Question 4 (3 points) :

***Do semaphores help prevent race conditions and ensure p**

- ☒ Yes
- ☐ No

***Does a monitor ensure that only one thread can execute its critical section at a time?**

- ☒ Yes
- ☐ No

***Can monitors help in organizing code related to shared resources more cleanly?**

- ☒ Yes
- ☐ No

Question 5 (4 points):

***What is the primary goal of Human-Computer Interaction (HCI)?**

- ☐ -Enhance computer processing speed
- ☒ -Improve the usability and user experience of computer systems
- ☐ -Increase the number of

***According to Nielsen's heuristics, what is the importance of "error prevention"?**

- ☐ -Minimize the cognitive load on users
- ☐ -Allow users to undo and redo actions
- ☒ -Design interfaces to be error-proof

***According to Nielsen's heuristics, what does "Aesthetic and minimalist design" focus on?**

- ☐ -Enhancing the visual appeal of the interface
- ☒ -Removing unnecessary elements to simplify the user experience
- ☐ -Creating a visually complex interface

***Why is feedback important in HCI?**

- ☐ It helps users troubleshoot hard
- ☒ It provides information about the outcome of user actions
- ☐ -It speeds up the data transmission process

Question 6 (2 points) :

*** Is usability testing conducted to measure how easily users can interact with a system?**

- ☒ Yes
- ☐ No

*** Does the concept of visibility of system status involve providing clear feedback about ongoing processes and actions?**

- ☒ Yes
- ☐ No