# 9 Lecture - CS410

# **Important Mcqs**

# 1. What is a window in the context of graphical user interfaces?

- a) A type of mouse pointer
- b) A borderless frame
- c) A region on the screen that displays content and can interact with the user
- d) A computer peripheral

Solution: c) A region on the screen that displays content and can interact with the user

#### 2. Which API is commonly used to create windows in Windows OS?

- a) JVM
- b) OpenGL
- c) DirectX
- d) WinAPI

#### Solution: d) WinAPI

## 3. What is the primary function of the Window Procedure in Windows programming?

- a) To create a new window
- b) To handle messages and events for a window
- c) To manage the position of the window on the screen
- d) To close an existing window

Solution: b) To handle messages and events for a window

# 4. Which message is sent to a window when the user clicks a mouse button?

- a) WM\_PAINT
- b) WM\_LBUTTONDOWN
- c) WM\_CLOSE
- d) WM\_KEYDOWN

## Solution: b) WM\_LBUTTONDOWN

#### 5. What is the role of the WM\_PAINT message in Windows message handling?

- a) It requests the window to be repainted.
- b) It closes the window.
- c) It resizes the window.
- d) It moves the window to a new position.

# Solution: a) It requests the window to be repainted.

## 6. The WM\_CLOSE message is generated when:

- a) The window is minimized.
- b) The window is closed by the user or system.
- c) The window is moved.
- d) The window is resized.

# Solution: b) The window is closed by the user or system.

#### 7. Which message is sent to a window when the user presses a key on the keyboard?

- a) WM\_MOUSEMOVE
- b) WM\_KEYUP
- c) WM\_CHAR
- d) WM\_SIZE

#### Solution: c) WM\_CHAR

### 8. Which Windows function is used to create a new window?

- a) CreateWindowEx
- b) DrawWindow
- c) NewWindow
- d) OpenWindow

#### Solution: a) CreateWindowEx

#### 9. What is the purpose of the LPARAM and WPARAM parameters in the Window Procedure?

- a) They hold the window's position and size information.
- b) They hold the message-specific information and additional data.
- c) They are used to set the window's title.
- d) They are used to close the window.

# Solution: b) They hold the message-specific information and additional data.

# 10. When handling a message in the Window Procedure, what should be returned after processing the message?

- a) The window handle (HWND)
- b) The wParam parameter
- c) The message itself
- d) 0 (zero)

Solution: d) 0 (zero)