# MODULE-4:

1. <u>Importance of window</u>:

   1. Presentation of different levels of information
   2. Presentation of multiple kinds of information.
   3. Sequential presentation of levels or kinds of information
   4. Access of different sources of information
   5. Combining multiple sources of information
   6. Performing more than one task.
   7. Reminding
   8. Monitoring
   9. multiple representations of same tasks.

2. Components of window:

   1. Frame
   2. Title Bar
   3. Title Bar Icon
   4. Window Sizing button
   5. What this? Button [?]
   6. Menu Bar
   7. Status Bar
   8. Scroll Bar
   9. Split Box
   10. ToolBar
   11. Command Area

   12. Size grip
   13. Work Area

3. Types of windows:
   1. Primary window
   2. Secondary window
   3. Modal and modeless
   4. Cascading and unfolding
   5. Dialog Boxes
   6. Property sheets and property inspectors
   7. Message Boxes
   8. Palette windows
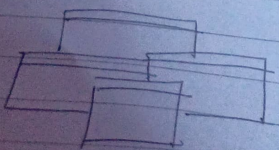   9. Pop-up windows

4. Different window management schemes:
   1. Single document interface
   2. Multiple document interface (MDI)
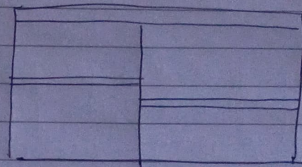   3. Workbooks
   4. Projects

5. Characteristics of keyboard: (own)

6. Characteristics of touchscreen (own)

7. Overlapping window:

Titled window.

8. General Guidelines for window operations: (5points)
   1. ~~Active window~~ 1. Easy to use
   2. Minimize numbers
   3. Easy navigation
   4. Setting up.
   5. Use- tailorable configurations.

9. Note on trackball
   - Ball that rotates freely in all direction (def)

Joystick : df. stick or bat shaped device usually anchored at bottom
   • force joystick
   • movable joystick.

10. Frames available in window
    a) Description   c) Advantages & disadvantages
    b) Proper usage