

10. Write detailed notes on :
- a. Difference between compiler and interpreter. (4)
 - b. Functions of Operating System. (4)

UNIT-III

11. Discuss various editing and formatting features in MS-Word. Explain by citing examples.
12. Write detailed notes on :
- a. Utility of templates in MS-PowerPoint. (4)
 - b. Cell referencing feature in spreadsheets. (4)

UNIT-IV

13. Discuss the advantage of Database Management System over traditional file system. Explain by citing examples.
14. Discuss important features of MS-Access. Explain by citing examples.

SECTION-C

15. Case Study :

Pinch gloves are designed to be a tracking device which aids in position tracking through conductive cloth at fingerprints of the gloves. It has the power to identify any gesture of 2 to 10 fingers, plus combinations of gestures. More than 115,000 gestures can be identified through this device. Very little has been done with Pinch Gloves in virtual environments - usually 1 or 2 gestures for Object selection, Tool selection or Travel. Position trackers measure position or orientation of a sensor through degrees of freedom. They either track the head (such as for natural viewing), track hands or feet (to understand how whole body interacts or to capture motion). A number of features of pinch gloves are that they are relatively low cost, Very light, User's hand becomes the device, User's hand posture can change, Allow two-handed interaction and supports huge number of possible gestures. Its advantage is that its highly precise, supports inputs even when eyes are off. Pinch gloves have often been used in smart scenes, such as travelling by grabbing the air, or for menu selection where visual feedbacks are given on virtual hands, for text input where users pinch finger to thumb to type letter under that finger and move/rotate hands to change active letters. Other input devices can be classified based on the source of receiving the input - desktop devices, tracking devices, special purpose devices, and direct human input devices.

Questions :

1. Is pinch glove an input device? List its characteristics which justify its use as an input device. (3)
2. What are the uses of pinch gloves? (3)
3. Discuss any two examples of human input devices. (2)