ASSIGNMENT

QuE-13 What is importance of user interface good design.

ANS-1 A good user interface (UI) clerign is important.

per the success of a business or digital product
because it creates a great user exportence and can
help a product stand olit:

- 1- User experience > A good UI design makes navigation lasy, Keeps users happy, when with different stillities.
- 2- Brand auareness > UI design com help a product stand aud and play a grole in brand
- 3- Co Customer Confidence > A good UI design can give potential automore confidence in a company and its brand.
- 4- Helps users with different abilities > A good UI design can help users

Søme tips pr good UI design Include:

· Know your user > Understand how they use application and offer the best

experience.
Define your target andience > Position your business in the market and address user's needs.

· Use Consistent Visual elements > This holps users feel st esse and in Control.

QUE-2- What do you mean by screen design.

ANS-27 Screen design is the process of designing the visual layout and structure of Sendens and user interface objects. It is a Sub-area of user interface design, but is limited to monitors and displays.

* Screen design inuslues:

- · Conceptual structure > Creating a well-defined underlyin
 g conceptual structure before

 Sketching any specific sorien or widget designs.
- · maximizing Usability & Making user interaction as simple and efficient as possible.
- · Contrast > Ensuring background and page elements
 like text have adequate contrast to
 increase legibility.

Sureen disign can refer to the design of a specific

window on dialog box in CrUI applications. It can obso describe the design process enline such as when designing a website, portal, app or digital product.

QUE-3 > Explain Concept of direct manipulation, graphical System.

ANS.3 > Direct manipulation is a fundamental concept in graphical user interfaces (GUIs) that allows users to interact directly with onScreen objects:

- · Objects are visible > Objects and actions are always visible on the screen.
- · Actions are physical > Actions sure represented in a way
 that mimics real world exportences,
 Such as dragging and suppling
- · Feedback is immediate > Users receive immediate

 feedback about their actions

 And the outcome.

1-DM is Sometimes called " What you see is what you get" (WYSIWYG). It's designed to help users learn and use the interface with minimal effort.

its corners is a direct manipulation action.

· DM interfaces are most commonly w IMP interface which use windows, wons, menus, and pointer the desklop metaphon is a popular example of direct manipulation, where the user's files are continuously presented on the Screen.

· Never concepts that extend sovered manipulation include instrual creatity, augmented reality, and tangible user interfaces-

QUE-4 > What is characteristics of principles of user interface.

ANS.44 CHARACTERISTICS >

- 1 Clear > Has a clear design so that users can explore smoothly
- 2- Concise > Use concise but information packed explanations.
- 3- Efficient > Has an efficient display to help usons achieve goals.
- 4- Consistent > UI desing consistency should be maintained Should to help users understand patterns.
- 5. Responsine > Ensures UI has good speed and provides jeedback

- 6. Familian > Ensures that the mebsite's appeareance is underestood by users:
- 7- Attractive > Greates an attractive UI design by considering simplicity, ease glise, neepsnsiveness and efficiency.

* PRINCIPLES OF UI >

- 1- Readability > Prisritize the use of easily readable
- 2- Simplicity > Maintains UI designtable mot averly complex.
 - 3- Consistency > Aligns design elements theroughout the application or mebsite:
- 4-Responsiueness > Grow Gruarantees a quick nesponse de user input.
- 5. Anticipation > user needs and provides responses before users realize them.
- 6. Clear Navigation > Provides layouts and menus that are easy to understand.
- 7- Flexibility > Accommodates various screen sizes

- 8. Aesthetic Appeal > Presents vivually appealing designs.
- 9- User- Centered > Understands the needs and preparences of wers.

QUE-5 > What do you mean by graphical user interface.

ANS-5. A graphical user interface (GrUI) is a Visual interface that allows users to interface that allows users to interact with a dedice software and hardware. GruIs use uisual elements like icons, menus, buttons, and windows to help users perform tasks. Users can interact with GruIs using a Key-board, pointer or tauch screen.

- · GIVIs are designed to improve usability and make it easier for user to interact with their devices. They use jamiliar metaphores, such as drap- and-drop for transferring files and itoms like a trash ben for deleted files.
- · GOIS were developed in the late 1970s by the Xerox Palo Alto research laboratory. The GOI became the Standard interface for personal Computers after Microsoft released windows 3.0 in 1990.

- · Some example of GUIS Includes:

- · X M Window System · Android
- · Apple's Ios.