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Top Skills

C++

Java

Flutter

Languages

Sanskrit (Elementary)

Marathi (Native or Bilingual)

Hindi (Native or Bilingual)

English (Full Professional)

Certifications

Object Oriented Programming (C++)
& Personality Development

Certificate of Participation in Level 1:
E-Commerce

Introduction to Statistics

Anish Chauhan

Student at Pune Institute of Computer Technology | PICT CSI
Pune, Maharashtra, India

Experience

PCSB

Student Member

September 2021 - Present (1 year 1 month)

Education

Pune Institute of Computer Technology

Bachelor of Engineering - BE, Information Technology · (2020 - 2024)

DAV Public School, Pune

· (2006 - 2019)

Question bank HCI(Unit I, II,III)

- 1) Describe briefly four different interaction styles used to accommodate the dialog between user and computer. Specify advantages and disadvantages of each interaction style.
- 2) Hierarchical Task Analysis (HTA) is used to describe the interactions between a user and a software system. Draw and explain HTA to online bus reservation system.
- 3) Explain following WIMP interface elements with respect to any text editor.
 - Icons
 - Menus
 - Toolbars
 - Dialog boxes.
- 4) HCI affects use of Fully Automatic Washing Machine(or Hospital management system or Library Management system) with respect to:
 - i) the aim of the program (what is used for)
 - ii) describe its interface (picture of the screen)
 - iii) describe its interaction (how it is used).

b) Explain how surveys help in better design.
- 5) Draw and describe HTA to cook food (e.g. rice) using micro oven.
- 6) Write short note on:
 - i) Human Input output channels
 - ii) Human memory.

- 7) Consider two different ATM machines. One giving away the cash and then ejecting the bank card and the other ejecting the bank card first and then dispensing the cash. Which is a better interface from interaction design point of view? Justify.
- 8) Hierarchical Task Analysis (HTA) is used to describe the interactions between a user and a software system. Draw and explain HTA to online bus reservation system.
- 9) Express your opinion - “A design should be User-Centric”.
- 10) With the help of Norman's Model of interaction explain the process of execution evaluation cycle. What do mean by 'gulf of execution' and 'gulf of evaluation' with respect to this model?
- 11) Justify the following statement extensive knowledge about the human eye or visual system can be made applicable in the practical user interface design.
- 12) List and explain the various disciplines of Human Computer Interaction.
- 13) Explain Principles of Human Computer Interaction?
- 14) Explain Design of everyday things with example?
- 15) Why Empathy is important for human centred design?
- 16) List human Input-Output channels and discuss briefly about it.
- 17) Write a long-term memory model script for case given below an owner went to veterinary hospital along with dog.
- 18) What is reasoning? Explain different types of reasoning with examples?
- 19) Explain the role of senses which plays an important role in HCI?
- 20) Enlist different interaction styles and describe different interaction styles used to accommodate the dialog between user and computer.
- 21) Explain Donald Norman's seven stages of Interaction.
- 22) Write short note on: STM & LTM
- 23) Explain in detail the need to study “Human Computer Interaction” for producing good interactive software?
- 24) Explain why – “A design should be User Centric”.
- 25) What is reasoning? Discuss with example Inductive versus Deductive Reasoning.

- 26) Compare STM and LTM of human with respect to capacity, access time and forgetting.
- 27) What can system designer do to minimize the memory load of the user?
- 28) Explain the following terms
i) Human Psychology ii) Design Principles
- 29) What is Ergonomics? List and explain the various disciplines of Ergonomics.
- 30) Describe briefly five different interaction styles used to accommodate the dialog between user and computer.
- 31) What are differences between menu bar and tool bar? Many times, user face the problems in understanding/learning tool bar icons? How resolve issue?
- 32) Explain the HCI design process with respect to scenario and prototyping techniques?
- 33) What is prototype? Explain different types of rapid prototyping technique?
- 34) What parameters are considered at the time of developing a system menu at designer side?
- 35) Explain in detail Schneiderman's eight golden rules of interface design?
- 36) Create a GOMS description of the task of photocopying a paper from a journal.
Discuss the issue of closure in terms of your GOMS description?
- 37) A semantic network is used in modelling the organization of knowledge in memory.
Produce a semantic network to train memory for gaining knowledge about all living things.
- 38) What is the Norman's seven principles for transforming difficult tasks into simple ones?
- 39) Explain significance of sensory memory in interface design?
- 40) Explain disciplines contributing to Human computer Interaction.
- 41) List Schneiderman's Eight Golden Rules of Interface Design and explain any five rules in details.
- 42) What is WIMP? Explain elements of WIMP Interfaces?
- 43) Explain the concept of Ergonomics with example.
- 44) Explain Donald Norman's seven stage model.