

**Time: 3 Hours**

**(Total Marks 80)**

**Question no 1 is compulsory**

**solve any 3 from Q2 to Q6**

**Indicate your answers with neat sketch wherever necessary**



20

**Q1 . ATTEMPT ANY FOUR**

- a) Explain The term "Poor Design Affects Reading"
- b) Explain the steps to design Persona.
- c) What do you mean by Direct Manipulation and Indirect Manipulation?
- d) Explain Goal Directed Design in Detail.
- e) What are various advantages of Digital and Graphics Systems?

- Q2a) Provide various factors of Interface Design, justify your answer with proper example. **10**
- b) Differentiate between Qualitative and Quantitative Research **10**

- Q3 a) What do you mean by response time? Explain salient features that are adopted with respect to response time. **10**
- b) Explain in detail about Gestalt's Principles. **10**

- Q4 a) Explain Various Menus in HMI. **10**
- b) Explain what do you mean by Keyboard Accelerators? **10**

- Q5 a) Explain How Colours Play Major Role in Human Interface Design? **10**
- b) Differentiate between Web Page Navigation and Printed Page Navigation. **10**

**Q6 Write Short Note on following 20**

- a) Windows
- b) Interview Techniques
- c) Mental Model
- d) Statistical Graphics