Human Machine Interaction **Q.P. Code: 27188**

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

Q1 . ATTEMPT ANY FOUR **20**

    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.