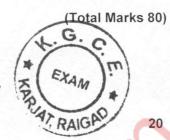**Q.P. Code: 27190**

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) What do you mean by response time? Explain.
    b) Explain three levels of processing in detail.
    c) State and explain different interview techniques.
    d) Explain steps in constructing persona.
    e) How one can create a dialogue with interface user? Explain with appropriate
        example.

Q2 a) What are various type of windows? Explain.   10
    b) What are three levels of users? Explain how to accommodate them in user interface.
        10

Q3 a) What are various factors to be considered for User Interface Design? Also give
        suitable example for the same.   10
    b) Differentiate between Qualitative and Quantitative Research   10

Q4 a) What are various methodologies adopted for Feedback and Guidance? Explain in
        detail.   10
    b) Explain Various Menus in Human Machine Interface?   10

Q5 a) What do you mean by Keyboard Accelerators? Explain   10
    b) Explain Goal Directed Design Process in Detail.   10

Q6 Write Short Note on following   20

    a) Device Based Control
    b) Screen Based Control
    c) Statistical Graphics
    d) Graphics Icons and Images