B.E. (AI & DS) (Insem)

Elective IV- UI/UX Design

(2019 Pattern) (Semester - II) (417524 (C))

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates :

1) *Answer Q.1 or Q.2, Q.3 or Q.4*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Explain the Human Input and Output channels. How do they impact the user interface design? **[5]**

b) Express your opinion - "A design should be User-Centric" **[5]**

c) Describe the relationship between UI and UX with suitable examples. **[5]**

OR

Q2) a) Draw and explain the structure of (ANY ONE) in brief: **[5]**

1. Human eye 2. Human ear

b) Compare template-based and content-based approaches in screen design. **[5]**

c) Explain the UI design process with suitable stages and examples. **[5]**

Q3) a) Compare and contrast direct manipulation interfaces with command-based interfaces. **[5]**

b) What are breadcrumbs, and how do they assist in menu navigation? **[5]**

c) Explain the visual design principles and their role in creating a good user interface. **[5]**

OR

Q4) a) Define interaction design. How does it contribute to user engagement? **[5]**

b) Explain the 6 stages of UX design and describe the purpose of each stage briefly. **[5]**

c) Describe the key characteristics of graphical and web user interfaces. How do they affect user experience? **[5]**