

**B.TECH. SEM -VI ( COMPUTER) 2014 COURSE (CBCS) :**  
**SUMMER - 2018**

**SUBJECT: Elective-II HUMAN COMPUTER INTERACTION**

Day : **Monday**  
Date : **11/06/2018**

**S-2018-2411**

Time: **02.30 PM TO 05.30 PM**  
Max Marks: **60**

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N.B

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
  - 4) Assume suitable data if necessary.
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**Q.1** Explain in detail eight golden rules of HCI (10)

**OR**

Discuss various human characteristics that should be considered in design of an interface.

**Q.2** Explain the concept of direct manipulation and indirect manipulation. (10)

**OR**

Describe in detail characteristics of a web interface.

**Q.3** Illustrate with example the common usability problems. (10)

**OR**

Discuss in detail guidelines for developing a conceptual model.

**Q.4** List and explain various interaction devices used in developing an interface. (10)

**OR**

Describe in detail components of navigation system.

**Q.5** Discuss in detail screen design goals. (10)

**OR**

Explain in detail factors considered in design of a visually pleasant screen  
Illustrate with example.

**Q.6** List and explain characteristics of a 'Window' used in interface design. (10)

**OR**

Explain in detail various components of a window.

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