

B.E. SEM VIII | IT | CBCGS

(3 Hours)

Nov DEC 2022

- N.B.: (1) Question No.1 is compulsory.  
(2) Attempt any three questions from the remaining five questions.  
(3) Make suitable assumptions wherever necessary but justify your assumptions.

Total Marks: 80

1.
  - (a) List various usability inspection methods and summarize cognitive walkthrough techniques. 05
  - (b) Describe the principles of User-Centered Approach? 05
  - (c) Give Examples of Quantitative Data Analysis Methods. 05
  - (d) Write a note on Good Error Messages with examples 05
2.
  - (a) Explain Shneiderman's "Eight Golden Rules of Interface Design" 10
  - (b) Identify and explain the process of Interaction Design. 10
3.
  - (a) What do you mean by low-fidelity and high-fidelity prototyping? Explain with examples. 10
  - (b) Summarize the different analytical frameworks used to analyze qualitative data. 10
4.
  - (a) Explain double diamond of design process in detail with example. 10
  - (b) Explain any five design principles and aid thinking when designing for product development with good UX. 10
5.
  - (a) What care will you take while designing an interface for a blind person? 10
  - (b) Summarize the key issues in Data Gathering process. 10
6. Write a short note on (Any Two) 20
  - (a) Different interview Styles.
  - (b) Compare Controlled Setting, Natural Setting and any setting evaluation.
  - (c) Simple Life-cycle model for interaction design

B.E./IT/SEM-VIII (CBCGS) / Nov. 2022

Time: 3 hour

Max. Marks: 80

N.B

1. Q.1 is compulsory
2. Attempt any three from the remaining four questions.
3. Each Question carry 20 marks.

**Q1**

**20M**

- A Explain the properties of metatdata.
- B Write short note on stemming.
- C What are the advantages and disadvantages of query processing?
- D Explain set deterministic model

**Q2**

**20M**

- A Explain different types of keyword-based querying system.
- B What are the different indexing techniques are available in IR? Explain any one in detail.

**Q3**

**20M**

- A Explain the Information Retrieval .What is logical view components in IR?
- B Explain web search architectures in detail.

**Q4**

**20M**

- A Explain in detail about Search Engine.
- B What are the different classical information retrieval models available? Explain any one in detail

**Q5**

**20M**

- A What is Text compression? What are the different methods used for text compression? Explain any one method with example.
- B What are the different factors making an effective human-computer interface?