

S.No. 2747

P 16 CSE 1 C

(For candidates admitted from 2016–2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Computer Science – Elective

HUMAN COMPUTER INTERACTION

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. What is gulf of evaluation?
2. Write short note on direct engagement.
3. What is meant by summative evaluation?
4. Write short note on storyboards.
5. What is backward error recovery?
6. Draw the model of the logical components of a UIMS.
7. What is meant by cognitive walkthrough?
8. What is Speech synthesis?

9. Write about the Robustness.

10. Define adaptable.

SECTION B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain the framework of the HCI with Neat diagram.

Or

(b) Explain the following in paradigms for interaction.

12. (a) Discuss about the appropriate appearance of screen design.

Or

(b) Write about the tools for layout design.

13. (a) List and explain the Shneiderman's Eight Golden Rules of Interface Design.

Or

(b) Discuss the role of windowing system with neat diagram.

14. (a) What are the main goals of evaluation? Explain.

Or

(b) Write a brief on earcons.

15. (a) What are the main groups of techniques used in knowledge representation for adaptive help systems? Explain.

Or

(b) Briefly explain the presentation issues in designing user support systems.

SECTION C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Discuss in details about ergonomics.

17. Elaborate the activities in the life cycle of HCI.

18. Discuss the principles affecting flexibility.

19. Discuss in details about the experimental evaluation.

20. Discuss in detail about the approaches to user support.