Roll No. ☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages: 02**

Total No. of Questions: 08

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M.Tech. (CSE) (Sem. – 2)
HUMAN AND COMPUTER INTERACTION
Subject Code: MTCS-209-18
M Code: 76060
Date of Examination: 16-12-2022

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Time: 3 Hrs.   **Max. Marks: 60**

INSTRUCTIONS TO CANDIDATES:
1. **Attempt any FIVE questions out of EIGHT questions.**
2. **Each question carries TWELVE marks.**

1. Explain:

   a) The short term and long term memory of a human.

   b) What are the limitations of interactive performance?

2. Explain:

   a) The evaluation model of interaction by Norman's and their different stages.

   b) How networking enhanced the performance of the interactive computer.

3. Explain:

   a) Discuss the paradigm for interaction in brief.

   b) The different stages of the interactive design process.

4. What are the:

   a) Basic categories of the Smith and Mosier guidelines for interactive system design.

   b) Different organizational issues affect the information and communication system.

5. Explain:

   a) Discuss in brief about the Heuristic evaluation technique.

   b) Hypertext and Multimedia and how they make web content interactive interface.

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6. **Shot Note on:**

   a) Mobile Web Applications and their pros and cons.

   b) Different mobile ecosystem application framework.

7. **Discuss:**

   a) The different elements of mobile design.

   b) Mobile Information Architecture.

8. **Discuss:**

   a) Any three Contextual tools used in designing web interfaces.

   b) The different techniques used in speech recognition.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.