Roll No ....

CS-7005(1)-CBGS

B.E. VII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Human Computer Interaction

Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

      ii)   All questions carry equal marks.

l.   a)   Discuss the different styles of interaction between computer and the user.

    b)   What do you understand by Sensor-based and context-aware interaction? Explain them in detail.

2.   a)   How human can understand visualization with respect to machine interface?

    b)   Explain the frames of NLP with block diagram.

3.   a)   What is GOMS description? Explain its four elements in detail.

    b)   How does a Display-based System works? List the challenges of Display-based System.

4.   a)   Describe five differences between short term memory and long term memory.

    b)   Develop a productive and reproductive problem techniques.

5. a) Why the natural language is considered as the most attractive means of communication with computers? Explain it by taking a suitable example.

   b) List the principles of universal designing for products in HCI.

6. a) Draw the structure of human memory.

   b) What are the input and output channels of humans. Compare with the computer devices?

7. a) Make a case study on Windows Swing.

   b) What is the various scope of universal design of assistive technology?

8. Write short note on :

   a) UI software

   b) UI agents

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