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Roll No

IT-712-GS

B.E. VII Semester

Examination, December 2020

Grading System (GS)

Human Computer Interaction

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is Human Computer Interaction? Describe the nature of interaction of human and machine?
b) Explain interaction design and conceptualization interaction in detail?
2. Define Graphical User Interface. Discuss the importance of GUI also write the characteristics of the Graphical User Interface.
3. a) Describe various types of user models in detail?
b) What is evaluation ? Explain heuristic valuation in detail?
4. What is GOMS model? Write its purpose and limitations?
5. a) Explain how the keystroke-level model support the interaction design process.
b) Explain Black box models of Human performance.

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6.
 - a) Describe mental models and metaphor. What are myths about metaphors?
 - b) Explain cognitive walkthrough.
7.
 - a) Give an example of Cognitive complexity theory and express production rules.
 - b) Explain Contextual Tools in detail.
8. Explain the following:
 - a) Ubiquitous computing
 - b) Programmability
 - c) User model
