

**ACADEMIA INTERNATIONAL COLLEGE**

(Affiliated to Tribhuvan University)

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**E N D T E R M E X A M I N A T I O N - 2 0 7 0**

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**CLASS: B.Sc. CSIT FOURTH SEMESTER**

**FULL MARKS: 60**

**SUBJECT: INTRODUCTION TO COGNITIVE SCIENCE/ CSC-255**

**PASS MARKS: 24**

**TIME: 3 HOURS**

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All questions are compulsory. All questions carry equal marks

**SET A**

1. Explain Marr's three level of Information processing.
2. What kind of agents can be considered as intelligent? Discuss the PEAS of automated taxi driving.
3. Define AI. How is thinking humanly different from thinking rationally? Explain with example.
4. Explain the syntax and semantics involved in Propositional Logic with example.
5. Explain the Human Information Processing with block diagram.
6. Differentiate between Blind and Heuristic search. Explain the algorithm of Best First Search.
7. What are the different levels of Chomsky hierarchy? Explain with example.
8. Explain the Hebbian's learning algorithm.
9. Explain the Penrose response to Descartes.
10. Differentiate between Natural language understanding and generation? Explain the application areas of Natural language processing.