

<p>Mid-West University Examinations Management Office Surkhet, Nepal End Semester Examinations -2078</p>	
<p>Bachelor level/ B.Sc CSIT /5th Semester Time: 3 hrs Subject : Artificial Intelligence (COM451)</p>	<p>Full Marks : 60 Pass Marks : 30</p>

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Very short questions (Attempt all the questions.) **[8 x 2 = 16]**

1. What is Knowledge and learning?
2. Define Turing Test.
3. Explain the Well-defined problems.
4. Explain uninformed search techniques.
5. What are Structure of Intelligent agents?
6. What is propositional logic?
7. What is Machine Learning?
8. Define Neural Network.

Group B

Short answer questions (Attempt any five questions.) **[5 x 4 = 20]**

9. Explain the characteristics of AI Programs.
10. What are the Properties of Environment? Explain.
11. Explain the different process to solve the problem.
12. What do you mean by A* Search?
13. Explain the Properties for Knowledge Representation Systems.
14. What is Natural Language Processing (NLP)? Explain the steps use in NLP.

Group C

Long answer questions (Attempt any three questions.) **[3 x 8 = 24]**

15. Define Agents & Environments. Explain the types of Agents.
16. What is search technique? Explain the Depth-First Search.
17. What is resolution refutation system (RRS)? Explain the propositional and predicate logic with example.
18. How does machine learning works? Explain its application and why it is important?

THE END