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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2010 Batch) (Sem.-6)
ARTIFICIAL INTELLIGENCE
Subject Code : BC-601
Paper ID : [B0223]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and a student has to attempt any **FOUR** questions.

SECTION-A**1. Write briefly :**

- a) Name any two problem characteristics.
 - b) Explain state search space. a2zpapers.com
 - c) Represent the following sentence using prepositional logic :
Every one is loyal to someone.
 - d) Explain Depth first search.
 - e) Explain CYC.
 - f) Explain disjunction with example.
 - g) Define natural language processing.
 - h) Explain scripts.
 - i) Explain knowledge representation.
 - j) What is Resolution?
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SECTION-B

2. What is artificial intelligence? Discuss three problems which have been solved by artificial intelligence.
3. Explain various characteristics of production system in detail.
4. a) Discuss various applications of artificial intelligence.
b) Discuss important issues in design of a search problem.
5. Discuss various properties and approaches for knowledge representation.
6. Discuss weak slot and filler structures.
7. Explain the Morphological, Syntactic & Semantic phase of natural language processing.

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