

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

BCA (Sem. - 6th)
ARTIFICIAL INTELLIGENCE
SUBJECT CODE : BC-601
Paper ID : [B0223]

[Note: Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is Compulsory.
- 2) Attempt any Four questions from Section - B.

Section - A

(10 × 2 = 20)

Q1)

- a) What is importance Artificial Intelligence?
- b) What are various AI problems?
- c) Briefly explain the production system characteristics.
- d) What do you mean by knowledge?
- e) What are various issues involved in design of search programs?
- f) What do you mean by predicate logic?
- g) What do you mean by frame?
- h) What is the importance of mapping in knowledge representation?
- i) What do you mean by instance?
- j) What do you mean by NLP?

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**Section - B****(4 × 10 = 40)**

Q2) What are various techniques used for Artificial Intelligence? Discuss.

Q3) Discuss various approaches to knowledge representation.

Q4) How the problem can be defined as a state space search? Discuss.

Q5) Write short note on following:

(a) Conceptual Dependency.

(b) Pragmatic Processing.

Q6) What is the purpose of syntactic processing? Discuss.

Q7) Explain following:

(a) Scripts.

(b) FOPL.

