(4)

OR

E2 : [Intelligent System]

(Answer any *six* questions from question no.1.
(Each question carries *two* marks) :   2×6=12

Group - A

1. (a) Define Artificial Intelligence on the basis of "System that think rationally" and "System that act like human".

   (b) What is formal logic? Give an example.

   (c) Why do we need Artificial Intelligence?

   (d) What is the role of knowledge in Artificial Intelligence?

   (e) Define Uncertainty. How it is solved?

   (f) What is heuristic search?

   (g) What are the draw backs of Hill climbing search? ·

Group - B

Answer any *two* questions :   10×2=20

2. (a) Discuss about Constraint Satisfaction Problem.

   (b) Explain the State Space with the use of 8 Puzzle Problem.   5+5=10

3. (a) What is MiniMax search for game playing? Explain the Min Max Algorithms.

(5) Explain A* algorithm with example. Under what situations it can be used. 5+5=10

4. Write a short note (any *two*) : 5×2=10

(a) Depth First Search.

(b) Alpha-Beta pruning algorithms

(c) Heuristics Search Techniques

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