Total Pages: 3
                                                                       1253

BCA/D-17
ARTIFICIAL INTELLIGENCE
Paper: BCA-353

Time: Three Hours   Maximum Marks: 80

Note: Attempt five questions in all, Selecting one question from each Unit. Q. No. 1 is
       compulsory.
1. (a)   What is Turning Test?
    (b)   Name different application area of AI.
    (c)   Define Expert System.
    (d)   What is Model Based Expert System?
    (e)   Define Breadth First Search.
    (f)   What is Best First Search.
    (g)   Robotics is………
    (h)   Plateau means………
                              Unit-I
2. Discuss the past, present and future of Artificial Intelligence.

3. What is Artificial Intelligence? Describe characteristics of AI problems along with
    the historical aspects of AI evolution.

                              Unit-II

4. Explain the life-cycle of an Expert System.

5. (a) Discuss advantages and limitation of an Expert System.
       (b) Explain any successful example of an Expert System.

                              Unit-III

6. Explain the relevance of searching in Artificial intelligence.

7. What is Heuristic Search? Explain Hill Climbing.

                              Unit-IV

8. What is Robotics? Explain the concept of a robot along with its major components.

9. Discuss the concept of Natural Language Processing.