

97693

BCA 6th Semester (Full & Re-appear)

Examination, May-2023

ARTIFICIAL INTELLIGENCE

Paper-BCA-3.8

Time allowed : 3 hours]

[Maximum marks : 80

Note : Attempt five questions in all, selecting one from each unit. Question No. 1 is compulsory.

1. Write short note on following : 16
- (i) State Space Search
 - (ii) Knowledge Representation
 - (iii) Explanation based learning
 - (iv) Expert System

Unit-I

2. Describe Production System and its characteristics in detail. 16
3. Describe the following : 16
- (i) Constraint satisfaction problem in AI
 - (ii) Best first search techniques

Unit-II

4. Describe the following : 16
- (i) Issues in Knowledge Representation
 - (ii) Importance of Knowledge
5. Give a complete description about Predicate Logic. 16

Unit-III

6. Explain the following : 16
- (i) Pragmatic Processing
 - (ii) Semantic Processing
7. Describe the following : 16
- (i) Learning by Induction
 - (ii) Learning by taking Advice

Unit-IV

8. Explain Expert System and its components. 16
9. Describe Expert System Shells and its features. 16