Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (Emb Sys) (2018 Batch) (Sem.–2)
ARTIFICIAL INTELLIGENCE
Subject Code : MTES-PE4B-18
M.Code : 76212

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1.Attempt any FIVE questions out of EIGHT questions.
2.Each question carries TWELVE marks.

1.   Write a detailed note on Hill Climbing.

2.   Write a detailed note on following :

    a) Constraint Satisfaction

    b) Representing Simple facts in Logic

3.   Explain in detail about Forward Versus Backward Reasoning.

4.   Explain in detail about following :

    a) Bayesian Networks

    b) Dempster Shafer Theory

5.   Write a detailed note on Conceptual Dependency in reference to Strong Slot-and-Filler Structures.

6.   Explain in detail about following :

    a) CYC in reference to Strong Slot-and-Filler Structures

    b) Alpha-Beta Cut-off

7.   Write a detailed note on Goal Stack Planning.

8.   Explain in detail about Semantic Analysis.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.