Question Paper Code : 50397

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017

Fifth/Sixth Semester

Computer Science and Engineering

CS 6659 – ARTIFICIAL INTELLIGENCE

(Regulations 2013)

(Common to Electronics and Instrumentation Engineering, Instrumentation and Control Engineering, Information Technology)

Time : Three Hours   www.recentquestion paper.com   Maximum : 100 Marks

Answer ALL questions

PART – A   (10×2=20 Marks)

1. State the advantages of Breadth First Search.

2. What is Commutative production system ?

3. Convert the following into Horn clauses.

   $$\forall x : \forall y : cat(x) \vee fish(y) \rightarrow likes - to - eat(x, y)$$

4. Differentiate forward and backward reasoning.

5. Define Fuzzy reasoning.

6. Compare production based system with frame based system.

7. Define adaptive learning.

8. What is hierarchical planning ?

9. List the characteristic features of expert system.

10. What is MOLE ?

P.T.O.