Question Paper Code : 71688

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Sixth Semester

Computer Science and Engineering

CS 6659 — ARTIFICIAL INTELLIGENCE

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

(Regulations 2013)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List down the characteristics of intelligent agent.

2. List some of the uninformed search techniques.

3. Differentiate prepositional logic and predicate logic.

4. Define forward and backward chaining. Differentiate the same.

5. Define meta rules.

6. Give the Baye's rule equation.

7. What are the differences and similarities between problem solving and planning?

8. What are the different types of planning?

9. List out the problem areas addressed by expert systems.

10. What are the advantages of the MYCIN?

PART B — (5 × 16 = 80 marks)

11. (a)   Explain informed search strategies with an example.   (16)

Or

(b)   Explain the process of simulated annealing with example.   (16)