Reg. No. | 8 | 2 | 0 | 4 | 1 | 3 | 1 | 0 | 4 | 0 | 3 | 4 |

Question Paper Code : 57262

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

Sixth Semester

Computer Science and Engineering

CS 6659 – ARTIFICIAL INTELLIGENCE

(Common to fifth semester Instrumentation and Control Engineering and Electronics and Instrumentation Engineering and Sixth Semester Information Technology)

(Regulations 2013)

Time : Three Hours **Maximum : 100 Marks**

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. What is ridge ?
2. How much knowledge would be required by a perfect program for the problem of playing chess ? Assume that unlimited computing power is available.
3. What is alpha-beta pruning ?
4. For the given sentence "All Pompieans were Romans" write a well formed formula in predicate logic.
5. What is Bayesian Networks ?
6. Write the properties of fuzzy sets.
7. What is rote learning ?
8. Brief frame problem.
9. What is meta knowledge ? How meta knowledge is represented in rule-based expert systems ?
10. Write any four earliest expert systems.