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**Question Paper Code : 80302**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Fifth Semester

Electronics and Instrumentation Engineering

CS 6659 — ARTIFICIAL INTELLIGENCE

(Common to Instrumentation and Control Engineering and Sixth Semester  
Computer Science and Engineering and Information Technology)

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Heuristic function?
2. What are the categories of production systems?
3. List the two levels of knowledge representation.
4. What is Alpha-Beta pruning?
5. What are fuzzy sets?
6. List the properties of fuzzy sets.
7. What are the different types of planners?
8. Write the difference between supervised learning and unsupervised learning.
9. Define an expert system.
10. What is XCON?