

GOVERNMENT COLLEGE(AUTONOMOUS),RAJAHMUNDRY

(Accredited by NAAC "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Semester-V

ALGORITHMS FOR INTELLIGENT SYSTEMS

MODEL QUESTION PAPER

Time: 2½Hrs.

Max Marks:50

SECTION - I

Answer any FIVE Questions

5 X 3=15M

1. What is AI?
2. Write about learning Agents?
3. Explain about Rationality?
4. Explain about N-Queen problem?
5. Write about Pruning?
6. Write a short note on informed search algorithms?
7. What is Heuristics search?
8. Explain about Reinforcement learning?
9. Explain about AI Applications?

SECTION - II

Answer following question

5 X 7 = 35M

9. Explain about AI Applications?

(OR)

10. Explain about State of art ?

11. Explain the Structure of intelligent Agents?

(OR)

12. What are the different types of environment in AI?

13. Explain the Following

i) Travelling Salesman Problem

ii) Water-Jug Problem.

(OR)

14. Explain main Problem types in AI?

15. Explain about Best-first search Algorithm with example?

(OR)

16. Explain about A*_search with example?

17. Explain in detail minimax decisions with example?

(OR)

18. Explain about Game Playing in AI?