(iii) Chicken is food

 \equiv Ξ

Apples are food

Consider the following sentences

John likes all kinds of food

- 3

Depth first searching

Bayesian network

ত

3

Prove that john likes peanuts using resolution

(iv) Anything anyone isn't killed by is food. Sue eats everything bill eats Bill eats peanuts and is still alive.

3 ઉ

- æ Translate these sentences into formulas in predicate logic.
- 3 Prove the john likes peanuts using backward

- Convert the formulas of a part inot clause form

- Write short notes on the following:

- æ

Reinforcement learning

2605/162/461/11525

Printed Pages: 4

(Following Paper ID and Roll No. to be filled in your Answer Books)

B.TECH.

Roll No. | | | | | | |

Theory Examination (Semester-VIII) 2015-16

ARTIFICIAL INTELLIGENCE

Max. Marks: 100

Time: 3 Hours

Section-A

Note: Attempt all questions from this section. (2×10=20)

Explain the term Artificial Intelligence. How Artifi cial Intelligence is different from general intell igence?

(a)

Describe the role of Computer Vision in Artificial

ਭ

Describe how we can use Artificial Intelligence in Natural Language Processing,

<u></u>

What are the hasic components of propositional logic?

3

What is active and passive reinforcement learning?

P.T.O.

ECS-801

www.FirstRanker.com

9

learning system

State the factors that play a role in the design of a

 Θ

What are the components that are needed for repre-

senting an action?

a

used in AI.

Describe the various knowledge representation schemes

Attempt any five questions from this section. (5×10=50)

Section-B

techniques?

Discuss the water jug problem with Heuristic search

3

Explain the statement: Breadth first search is a special

case of uniform cost search

E 8 3 that the mind like medical diagnosis. State the reason why first order, logic fails to cope with an example of each. Explain the terms Universal & Existential quantifiers. Give Named out any three uninformed search strategies. Solve the Crypt arithmetic problem + ROADS DANGER CROSS

tation and knowledge acquisition. What procedure is followed for knowledge acquisition? Briefly describe the meaning of knowledge represen-

œ

selection methods in pattern recognition. Briefly describe the various feature extraction and

3

Describe the difference between language understanding and language generation with suitable example?

6

Prove that the following sentence is valid: " If prices fall Prove by resolution that "prices do not fall". lot of money. But Johny doesn't make a lot of money" the rate increases. If rate increases then Johny makes a

3

Section-C

Attempt any two questions from this section. (2×15=30)

prove its performance. give the other modifications to the min max procedure to im-Explain Min Max procedure. Describe alpha beta pruning and

2605/162/461/11525

3

P.T.O.

www.FirstRanker.com

(iii) Chicken is food

 \equiv Ξ

Apples are food

Consider the following sentences

John likes all kinds of food

- 3

Depth first searching

Bayesian network

ত

3

Prove that john likes peanuts using resolution

(iv) Anything anyone isn't killed by is food. Sue eats everything bill eats Bill eats peanuts and is still alive.

3 ઉ

- æ Translate these sentences into formulas in predicate logic.
- 3 Prove the john likes peanuts using backward

- Convert the formulas of a part inot clause form

- Write short notes on the following:

- æ

Reinforcement learning

2605/162/461/11525

Printed Pages: 4

(Following Paper ID and Roll No. to be filled in your Answer Books)

B.TECH.

Roll No. | | | | | | |

Theory Examination (Semester-VIII) 2015-16

ARTIFICIAL INTELLIGENCE

Max. Marks: 100

Time: 3 Hours

Section-A

Note: Attempt all questions from this section. (2×10=20)

Explain the term Artificial Intelligence. How Artifi cial Intelligence is different from general intell igence?

(a)

Describe the role of Computer Vision in Artificial

ਭ

Describe how we can use Artificial Intelligence in Natural Language Processing,

<u></u>

What are the hasic components of propositional logic?

3

What is active and passive reinforcement learning?

P.T.O.

ECS-801

www.FirstRanker.com