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	Define induction of inductive leading	Define Modus	Discuss the various typalgorithm with example	Define informational computational equivalence	What do you mean by intelligent agent?	Describe the role of computer vision.	Define support vector machine	1. Attempt all parts . All parts carry answer of all part in short .	questions are co	<u>S</u>	hours]	ARTIFICIA	(SEM. VII) THEORY EXAMINATION, 2015-16		: 110703	Following Paper ID and Roll No. to Answer Book)	Printed Pages : 4
(1)	ve learning. Ho arning algorith	Ponen's rule in	arious types o example.		nean by intellig	ole of compute	t vector machi	All parts carry e short.	mpulsory.	SECTION-A		ARTIFICIAL INTELLIGENCE	YEXAMINA	B.TECH.	Roll No.	ınd Roll No. to Answer Book)	1232
P.T.O.	Define inductive learning. How the performance of inductive learning algorithms can be measured?	Define Modus Ponen's rule in propositional logic?	Discuss the various types of model of parallel algorithm with example.	equivalence and	ent agent?	r vision.	ne.	Attempt all parts. All parts carry equal marks. Write answer of all part in short. (2x10=20)			[Total Marks:100]	ENCE	TION, 2015-16			o be filled in your	ECS801

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logic and casual form:

Mutton is food.

<u></u>

Rajiv eats everthing that Suc eats

10. (a) Write steps involved in making Principle

Attempt any two questions from this section.

(15x2=30)

SECTION-C

Kin eats peanuts and is still alive.

John will marry Mary if Mary loves John

3

examples.

(3)

P.T.O.

Determne 2 Principle components of the following

Components to do a classification of given data

set of observations of 2-dimensional data having 5

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Anything one eats and it does not kill is a food.

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'n 4 Attempt any five questions from this section. a 3 Θ \equiv 3 Translate following sentences in formulas in predicate Describe AO* search technique Distinguish between Markov Modle and Hidden What is intelligent agent? Describe basic kinds of Draw diagram of HMM and show what is the hidden Describe how can we use artificial intelligence in Describe the role of rational agent part of it that we refer to? Markov Model (HMM). agents programs. Natural Language Processing? SECTION-B (10x5=50)9 6 representation schemes? Explain about the Hill climbing algorithm with its Explain Bayesian network by taking an example. How is Discuss the problem of water jug with heuristic search drawback and how it can be overcome? uncertainity knowledge? the Bayesian network powerful representation for What are the desirable properties of good knowledge tecniques? +MORE MONEY

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ECS801

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11. Explain Min-Max procedure. Describe alpha beta pruning and give the other modifications to the min max

Write a short notes on:

procedure to improve its performance.

- (a) EM Algorithm
- (c) Backtracking (b) Support Vector Machine

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