Total Pages: 02

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GSQ/D-23

1135

ARTIFICIAL INTELLIGENCE BCA-353

Time: Three Hours]

[Maximum Marks: 80

Note: Attempt Five questions in all, selecting one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. Explain the following terms in brief:

 $2 \times 8 = 16$

- (a) What is the need of Artificial Intelligence?
- (b) What is a Robot?
- (c) Define Expert System.
- (d) Define Intelligence.
- (e) What is Heuristic function?
- (f) What are goals of NLP?
- (9) What is Artificial Intelligence?
- (n) Define Intelligent Robot.

Unit I

- 2. (a) What do you mean by Problem representation in AI? What is the aim of Artificial Intelligence? 8
 - (b) What do you mean by knowledge? Explain knowledge pyramid and types of knowledge. 8

-	3.	application areas of AI.	8
State of the last		Unit II	
The same of the last of the la	4.	Explain various application areas of Expert Systems. 1	16
A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN	5.	Explain various advantages and disadvantages of Ru based Expert System	
Section of section by the section of		Unit III	
	6.	_	6
	7.	Explain Hill Climbing Heuristic Search techniques busing example.	y 6
Section Control		Unit IV	
Charles and the contract of th	8.	(a) Why is NLP needed?(b) Explain Mobile Robots. What are its applications	8 ?
		Distinguish between Speech Recognition and Voice Recognition. Explain various approaches to Speech Recognition.	e h