Total No. of Questions: [03]

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PRN	PAPER CODE		

## May 2022 ENDSEMEXAM

## T.Y.B.TECH.(COMPUTER ENGINEERING) (SEMESTER - II) COURSE NAME: PROFESSIONAL ELECTIVE-II [ARTIFICIAL INTELLIGENCE] COURSE CODE: CSUA32181B

(PATTERN 2018)

Time: [1 Hr]

[Max. Marks: 30]

## Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) Use of scientific calculator is allowed
- 3) Use suitable data where ever required

Questi	Marking Scheme	Marks
on No.	SOME EN WARE DESCRIPTION OF THE PARTY	Warks
Q.1	a)Justification of "Hierarchical Task Network	4 M
	b) Goal Stack Planning	2M
	operators	2M
	operations required to achieve the goal.	2M
	ORPATTERN 20180	2111
	b) different classical planning algorithm.	1M
	Backward search with suitable example	4M
Instr	reason for reducing branching factor.	1M
Q.2	a)Justification of importance of "Bias and variance is	4M
4) [	b) CART algorithm	2M
31 -	CART algorithm for given example	4M
	b) Naive Baye's classifier	2M
	Naive Baye's algorithm for given example	4M
Q.3	a) use of Artificial Intelligence in Robotics	4M
	b) Speech Recognition	2M
	Artificial Intelligence in Speech Recognition	4M
	OR	7171
	b) algorithm for correcting the spelling of English Paragraph	6M