Roll No.

3334

B. Tech. 6th Semester (CSE) Examination – May, 2023

ARTIFICIAL INTELLIGENCE

Paper: PCC-CSE-304-G

Time: Three Hours]

[Maximum Marks: 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt five questions in all, selecting at least one question from each Section. Question No. 1 is compulsory. All questions carry equal marks.

- 1. Explain the following Questions:
- $6 \times 2.5 = 15$

- (a) Uninformed Search
- (b) Genetic Algorithm
- (c) Dempster-Shafer Theory
- (d) Explanation Based Learning

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SECTION - A

2 (2)	What is Artificial	Intelligence?	State	examples	Ol
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	Al problems.				

- (b) Differentiate the DFS and BFS with merits and 7 dements.
- 3. (a) Explain the Best-First-Search Procedure with 8 example.
 - (b) Explain AO* algorithm with an example. 7

SECTION - B

- in detail Knowledge Representation 4. Explain Techniques and schemes. 15
- 5. State various issues knowledge representation in detail. 15

SECTION - C

- 6. Explain Probability and Bay's Theorem. 15
- 7. What is Partial-order Planning. explain in detail? 3334-2,600-(P-3)(Q-9)(23) (2)

SECTION - D

8.	Wh	at are the Current trends in Artificial Intellige	nce.
	Elal	oorate ?	15
9.	Exp	plain the following types of learning:	15
	(a)	Learning by Induction,	
	(b)	Rote Learning,	
	(c)	Symbol Based Learning	
		불쾌했다면 아들이 어느었다. 그리는 생님, 그리고 하는데	