

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR
DEPARTMENT OF COMPUTER TECHNOLOGY
ACADEMIC SESSION : 2022 - 2023 (ODD SEMESTER)

Assignment - 2

Subject	: Artificial Intelligence (BECT505T)	Semester	: V A / B
Subject Teachers	: Dr. (Mrs) A.V.Dehankar/ Mrs Pragati Budhe	Date of Display	: 15/10/2022
Unit	: III (1/2),IV,V	Date of Submission	: 21/10/2022

On completion of the course the students will be able to-

CO3	Understand and apply various non-formal knowledge representation methods and statistical reasoning methods in AI problem solving.
CO4	Describe various application domain of AI such as Expert system, Game Playing, Natural Language
CO5	Apply neural network learning and evolutionary algorithms such as Genetic Algorithms for solving AI

Questions	Mapping with COs	BT level
1. a Explain Bayes Theorem.	CO3	II
b Differentiate between monotonic and nonmonotonic reasoning.	CO3	II
2. a Define expert system. Explain the architecture of expert system with block diagram.	CO4	I,II
b Define expert system shell.	CO4	I
3. a Explain min-max search procedure with example .	CO4	II
b Explain basic parsing techniques .	CO4	II
4. a Define ANN .	CO5	I
b State the various applications of Artificial Neural Networks.	CO5	I
5. a Explain life cycle of genetic algorithm.	CO5	I,II
B Explain following terms 1. genes 2. chromosomes	CO5	II

Dr. (Mrs) A.V.Dehankar/ Mrs Pragati Budhe
 (Subject Teacher)

Dr. (Mrs.) N. M. Thakare
 (HOD, CT)