

Assignment-2 (Artificial Intelligence)

- Q1. Define Artificial intelligence on the basis of “System that think rationally ”and “ System that act like humans”.
- Q2. Differentiate between Natural (Human) Intelligence & Artificial Intelligence.
- Q3. What is Weak AI and Strong AI?
- Q4. Mention some related fields of Artificial Intelligence.
- Q5. Explain the task classification of AI.
- Q6. Discuss about the term Computer Vision.
- Q7. Explain the structure of Intelligent Agent.
- Q8. What is PEAS representation?
- Q9. Explain Goal Based Agent and Utility based Agent architecture with proper diagram.
- Q10. Design the PEAS information for Taxi Driver Agent and Automated Robot in a manufacturing plant.
11. What is local maximum?
12. What is global maximum?
13. Define optimization technique.
14. What is greedy approach?
15. What is difference between inferential and procedural knowledge?
16. What is the significance of object and events?
17. How we do mapping between facts and representation?
18. What is difference between Tautology and Contradiction?
19. What are the limitation of propositional logic?
20. How we define the term logical equivalence in prepositional logic?

21. Define Machine learning in technical terms.
22. Differentiate between Supervised and Unsupervised learning.
23. What is Clustering and Association?
24. How clustering is used in practical life?
25. Define Association rules for any case study.