

Indian Institute of Technology, Jodhpur
B.Tech.(CSE) 3rd Year, II (Fall) 2015
32002: Artificial Intelligence Assignment # 1

M.M.: 10

1. Try to analyze your own learning behavior, and list the goals of learning, in the order of their difficulty level of learning.
2. What is intelligence? How do we measure it? How are the measurements useful?
3. Write an note, describing the various anticipated theories as how the human processes the informations?
4. Computers quite good at playing playing chess, and they are found to be consistently beating the best human chess players. Does it imply that computers are intelligent?
5. Consider a task requiring knowledge like baking a cake. Out of your imagination, suggest what are the knowledge requirements to complete this task.
6. Out of your reasoning, explain the distinction between knowledge and belief.
7. What are major advantages of humans over modern computers?
8. Write an note, describing how the things (objects/activities) are memorized by:
 - (a) Plants
 - (b) Birds
 - (c) Human
9. It is an accepted scientific base that physical characteristics of life are genetically transferred. Do you believe that information and knowledge are also genetically transferred? Justify for yes/no?
10. Are the beliefs of rebirth and reincarnation are also the goals of AI research? How and how not?

Note: Submission deadline 21st Jan. 2015, 23:59 hrs (IST). Assignment shall be submitted online only at email id kr.chowdhary at iitj dot ac dot in, with subject marked as AI-HW1-rollno. Format: pdf, prepared in latex or word.