**DEBRE MARKOS UNIVERSITY**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ARTIFICIAL INTELLIGENT TEST ONE**

**FOR 4TH YEAR IT EXTENSION STUDENTS**

**TIME ALLOWED: 25 MIN VALUE: 15 %**

**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ID NO.\_\_\_\_\_\_\_\_\_\_\_SECTION\_\_\_\_**

**Part I choose: Write your answers only on the provided space (10pts)**

1. Strong Artificial Intelligence is
2. The embodiment/copy of human intellectual capabilities within a computer.
3. A set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans.
4. The study of mental faculties through the use of mental models implemented on a computer.
5. All of the mentioned
6. Which one of the following task is not requires intelligence?
7. Computer maintenance
8. Face recognition
9. Natural language processing
10. A & C E. None
11. Which one of the following is correct about artificial intelligent?
12. The theory and development of computer systems able to perform tasks normally requiring human intelligence.
13. It is the study of [intelligent agent](https://en.wikipedia.org/wiki/Intelligent_agent)
14. It is the effort to develop computer based system
15. All E. None
16. One is the branches of AI?
17. **logical AI**
18. **Search AI**
19. **Heuristics**
20. **Pattern recognition**
21. **All**
22. Which one is not the application of AI?
23. **Game playing**
24. **Speech recognition**
25. **Computer vision**
26. **Expert systems**
27. **None**
28. **One is not correct about intelligent?**
29. Use vast amount of knowledge
30. **It is the capability of learning**
31. **Tolerate error and ambiguity**
32. **It is the capability of remembering**
33. **None**
34. **Which one is not correct about knowledge?**
35. Facts about the real world entities and the relationship between them
36. It may be incomplete/partial and imprecise/indefinite.
37. It may keep on changing (dynamic)
38. It uses to store facts and rules E. None
39. One of the following is correct about views of artificial intelligent which are concerned with thought processing and reasoning.
40. Thinking humanly
41. Thinking rationally
42. Acting humanly
43. Acting rationally
44. C & D
45. A & B
46. One of the following is correct about views of artificial intelligent which measures success of AI in terms of human being performance.
47. Act humanly E. A & C
48. Act rationally F. A & B
49. Think humanly G. C & D
50. Think rationally
51. One of the following is correct about views of artificial intelligent which measures success of AI in terms of ideal concept of intelligence (rationality)
52. Act humanly E. A & C
53. Act rationally F. A & B
54. Think humanly G. B & D
55. Think rationally

**Part II Writing: Write your answers only on the provided space (5pts)**

1. List the three basic and interrelated human capacities(**2pts**

**i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**iii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. List six sub fields which are used to make computers act like humans?(**3pts**)

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iv.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ v.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vi.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_