



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
KNOWLEDGE MANAGEMENT
ISC 848: ARTIFICIAL INTELLIGENCE

DATE: Monday, 28th November 2016

TIME: 2.00 p.m. - 5.00 p.m.

INSTRUCTIONS:

Answer question one and any other two.

1. (a) Using appropriate examples, explain four areas of information work in which artificial intelligence can be applied. (15 marks)
(b) Explain the features of any three neural networks stating how each one of them function. (15 marks)
2. Understanding of artificial intelligence programming language is a mandatory competence for information managers. Discuss. (20 marks)
3. Using appropriate examples, explain how robots can be used to solve information service problems. (20 marks)
4. Natural language processing is a key component of artificial intelligence. Discuss. (20 marks)
5. Explain any five problems encountered in the implementation of machine consciousness and suggest possible solutions. (20 marks)