



KENYATTA UNIVERSITY
EXAMINATION FOR THE DEGREE OF BACHELOR OF LIBRARY AND
INFORMATION SCIENCE

ISC 208: FUNDAMENTALS OF NETWORKING

2ND SEMESTER 2021/2022

TIME: 2HOURS

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

1. (a) Explain SIX (6) applications of Artificial Intelligence (AI) in networking. [10 Marks]
(b) AI will eventually replace human element in networking. Discuss [10 Marks]
(c) Explain SIX (6) advantages of artificial intelligence in networking. [10 Marks]
2. Explain SIX (6) factors to consider in designing a network for an information centre. [20 Marks]
3. What is the disadvantage of having the network management system operate at the application layer? [20 Marks]
4. Compare and contrast the following set of networking devices.
(i) Bridge and a router. [10 Marks]
(ii) Switch and hub. [10 Marks]
5. Explain FIVE (5) network management requirements. [20 Marks]