THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION & COMMUNICATION TECHNOLOGY (DICT 2K 10J)

EIT 2310: NETWORK I

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY/MARCH 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**
Answer question **ONE (COMPULSORY)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

SECTION A (COMPULSORY)

QUESTION ONE (30 MARKS)

a) State and explain **FIVE** requirement features that should be available for a wireless communications to be secure   (10 marks)

b) Define the following terms as used in networking   (10 marks)
   (i)   Hotspot
   (ii)   Latency
   (iii)   Packet
   (iv)   Node
   (v)   VPN

c) State and explain **FIVE** basic precautions one should take when using a public hotspot
                                                                        (10 marks)

SECTION B (Answer any two questions)

QUESTION TWO

a) Name **FOUR** features of PDAs.   (4 marks)
b) Define the term transmission Impairment   (2 marks)
c) State and explain **TWO** most significant impairments in transmission   (4 marks)
d) State and explain **FIVE** characteristics that should be considered when choosing an antenna.
                                                                        (10 marks)

QUESTION THREE

a) State and explain **FIVE** features of a satellites   (10 marks)

b) Explain **FIVE** legal issues that must be carefully considered by the media and general ICT users to avoid legal quagmire   (10 marks)

QUESTION FOUR

a) State and explain **THREE** advantages and **TWO** disadvantages of VoIP services   (10 marks)

b) State and explain **FIVE** features that make cell phones more popular   (10 marks)

QUESTION FIVE

a) Define the term SSID   (3 marks)
b) State and explain **THREE** things you can do to secure your SSID   (9 marks)
c) Highlight **EIGHT** cell phone etiquette   (8 marks)