



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)