

CRAWFORD UNIVERSITY
Faculty of Natural and Applied Sciences
Department of Computer Science and Information Technology
Rain Semester Examination 2010/2011 Academic Session

Level: 200

Course Code/Title: ICT212 – Introduction to Computer Networking

INSTRUCTION: Answer question ONE and any other TWO

Time: 2 hours

- 1a. What is computer network? Distinguish between wired and wireless network. [4Marks]
- 1b. Describe four network topologies you are familiar with stating their advantages and disadvantages. [10 Marks]
- 1c. Explain briefly modes and methods of data transmission. [5 Marks]
- 1d. Explain different levels of computer crimes. Also mention eight methods of committing computer crimes. [8Marks]
- 1e. Mention five advantages of wireless networks over cabled networks [3Marks]
- 2a. What is data transmission? Explain the component of data transmission [7Marks]
- 2b. Distinguish between circuit and packet switching techniques. [3Marks]
- 2c. Give three advantages and disadvantages of peer-to-peer and client/server network. [10Marks]
- 3a. Mention four multiplexing techniques you know [2 Marks]
- 3b. List four characteristics of MAN and WAN. [8Marks]
- 3c. Describe the mode and method of data transmissions [10 Marks]
- 4a. State two advantages of digital signals over analogue signals. [3 Marks]
- 4b. What are factors generally considered in deciding the type network to adopt. [5Marks]
- 4c. Mention the two variant of packet switching. [2Marks]
- 4d. Describe types of VSAT you know. Hence list five VSAT bands that is available [10 Marks]
- 5a. Mention eight IEEE networking standards. [4Mark]
- 5b. Explain the three WiFi standards [6Marks]
- 5c. Explain the various generation of wireless networks [10Marks]

