CIT 421: NET-CENTRIC COMPUTING

Credit: 3 units

INSTRUCTION: Answer Four (4) Questions.

Question one is Compulsory

TIME: 3 HRS

Question 1

1a. Examine the following technologies:

i) Computing technologies (1 mark)
ii) Wireless technologies (1 mark)
iii) Wireless computing (1 mark)

1b. Why do we need parallel processing systems? (4 marks)

1c. Given a simple sample of use-cases description in figure 1.1. Present this use case in a tabular form. (8 marks)
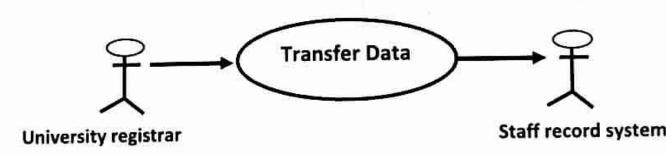

Figure 1.1 Simple Sample of Use-cases

1d. Examine the components of wireless area network (WAN) architecture. (10)

Question 2

2a. When was UML diagram model desirable in the development of software? (2 marks)

2b. Give and explain ways through which WLAN can be configured. (3 marks)

2c. Discuss models which are most commonly used in building parallel computers. (10 marks)