

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF BUILT ENVIRONMENT
DEPARTMENT OF QUANTITY SURVEYING HONOURS DDEGREE
INTRODUCTION TO INFORMATION TECHNOLOGY AQS1109
SUPPLEMENTARY EXAMINATION
PART I FIRST SEMESTER EXAMINATIONS FEBURARY - 2010**

Time: 3 hours

Total Marks: 100

INSTRUCTIONS:

This paper has Five Questions. Answer any Four Questions

Question One

- a) Draw a block diagram to show the basic hardware components of a computer system, and briefly describe the purpose of each component. (15 marks)
- b) Outline any five advantages of a database environment. (10 marks)

Question Two

- a) Why is an operating system known as a master control program? (8 marks)
- b) Discuss the role of anti-virus software in a computing environment. (8 marks)
- c) What are the three main hardware components that are needed to set up a local area network? (9marks)

Question Three

- a) Describe any four features of a database management system (DBMS). (12 marks)
- b) Briefly describe the characteristics of first generation computers. Your discussion should include: storage devices, input/output devices, programming languages, speed of processing (5 marks)
- c) In Information Technology there is no relationship between speed, size and storage capacity. Discuss. (8marks)

Question Four

- a) Describe any three specifications to consider when purchasing a printer. (9 marks)
- b) Compare and contrast a spreadsheet system and a database system. (16 marks)

Question Five

- a) Evaluate the use of the Internet in Quantity Surveying. (15 marks)
- b) Outline the criteria for evaluating internet information. (5 marks)
- c) Explain the environment most favorable for the use of Expert System in an organization. (5 marks)

END OF QUESTION PAPER