BBM 102R: FOUNDAMENTALS OF INFORMATION TECHNOLOGY

MAIN EXAMINATION

MAIN, TOWN AND SOTIK CAMPUSES

ATTEMPT QUESTION **ONE** AND ANY OTHER **THREE**	**TIME: 3 HOURS**

Question One

a) Giving examples in each case differentiate between a computer hardware and software. [4 Marks]

b) Mention any two inputs and two output units of a computer. [4 Marks]

c) Differentiate between a virus and a worm. [5 Marks]

d) Identify any **four** factors that you consider when acquiring a computer system. [4 Marks]

e) Identify any five factors that are considered before acquiring a computer system. [5 Marks]

f) Differentiate between RAM and ROM indicating the characteristics of each. [3 Marks]

Question Two

a) What is office automation? Give and explain any three benefits of office automation systems. [6 Marks]

b) Identify and explain any **four** weaknesses of the traditional computer file and justify why modern organizations are now using database management systems. [9 Marks]

Question Three

a) Identify the **five** major components of an information system. [5 Marks]

c) Give any **four** benefits of computer based information systems. [4 Marks]

d) How is a primary storage different from a secondary storage? Explain using examples. [6 Marks]

Question Four

a) Assuming you are a computer applications manager in a company, explain how you will you manage the security challenges facing computers? [5 Marks]

locks
Passwords , *security policies.*
T-vs and cameras *security officers*

b) Identify and explain the major functions of an operating system. [10 Marks]

Question Five

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a) Illustrate using diagrams the difference between following network topologies:-

    i)   Star topology

    ii)   Ring topology

    iii)   Bus topology   [9 Marks]

b) Illustrate the major difference between System Software and Application software citing basic Applications of each.   [6 Marks]

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