

NAME: _____

Stream....

ST: MARKS'S COLLEGE NAMAGOMA

UGANDA ADVANCED CERTIFICATE OF EDUCATION

Topic: Data Communication and Networking 2

SUBSIDIARY ICT

1 HOUR

1. Explain any five elements of data communication. (5 marks)

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2. (a) Identify any three factors to consider before choosing a communication transmission medium (3 marks)

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- (b) Outline two causes of signal attenuation in data communication.

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3. Explain the following terms as used in data communication (5 marks)

- a) Band width

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- b) Network topology

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c) Simplex

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d) Duplex

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e) Half duplex

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4. a) Differentiate between physical and wireless transmission media. (2 marks)

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b) Suggest any three requirements for setting up a computer network. (3 marks)

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5. a) Explain the difference between baseband and broadband data transmission. (2 marks)

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b) State three advantages of using coaxial cables. (3 marks)

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6. a) Define the term computer network. (2 marks)

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b) state four factors an IT professional considers before setting a
computer network for an organisation (3 marks)

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7. a) Distinguish between a hub and a switch (2 marks)

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b) Identify three advantages of using mobile phones in
communication (3 marks)

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8. a) What is a network model? (1 mark)

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c) Mention three advantages of client server network model over
peer to peer network model (3 marks)

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9. a) Distinguish between logical and physical topology giving an example in each case. (4 marks)

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b) Name any one example of network operating systems (1 mark)

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10. a) Briefly describe the following network topologies. (3 marks)

i) Star topology

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ii) Bus topology

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iii) Ring topology

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b) Distinguish between Intranet and Extranet. (2 marks)

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END