

INSTRUCTIONS***Time: 2hrs***

- Answer all questions in all the sections
- Answers for section A should be filled in the box below.
- Answers for section B should be filled in the spaces provided.
- Use only one answer script for section C.

1		6		11.		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

- Which of the following is an internal storage device
 - memory card
 - flash disk
 - CPU
 - hard disk
- The following are the characteristic of the first generation computers.
 - very fast
 - huge in size
 - generated a lot of heat
 - very first
- Which of the following is not a major part of a computer?
 - key board
 - monitor
 - CPU
 - mouse
- The following are computer output devices except?
 - printer
 - microphone
 - speaker
 - plotter
- Which of the following computers use binary codes to represent information?
 - super computer s
 - laptop computers
 - analog computers
 - digital computers
- The ability of computer to perform the same tasks over and over again without getting tired is.....?
 - versatility
 - automation
 - accuracy
 - none of the above
- The invention of the defines the second generation computers
 - magnetic core
 - punched cards
 - transistors
 - vacuum tubes
- In which computer classification is the main frame categorized.
 - process
 - size
 - purpose
 - processor power
- The following are major parts of the keyboard apart from?
 - functional keys
 - enter key

SECTION B

1. (a) Define the term software? (01)

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- (b) Giving one example in each case, differentiate between system software and application software. (04)

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- (c) Give any five roles played by an operating system in a computer. (05)

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2. (a) Define the term data communication as used in computing. (02)

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- (b) Briefly explain any five basic elements of data communication. (05)

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c) Differentiate between guided and unguided transmission media. (03)
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3. (i) Choose the correct answer from the list below to fill the spaces. (05)

A gateway, A bridge, A repeater, A hub, A modem.

- a) A computer device which changes signals from analog to digital and vice versa is _____.
- b) A computer device which amplifies signals and sends them to far distances without losing their energy is _____.
- c) A computer device which connects two LANS with similar protocols is a _____.
- d) A computer device which reads the address of the device and sends packets to that particular address is a _____.
- e) A device that is used to provide multiple ports for connection is _____.

(ii) With the use of illustrations, explain simple transmission of data flow in a network.
(05)

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4. (i) Differentiate between the following terms as applied to computers. (06)

a) Artificial intelligence

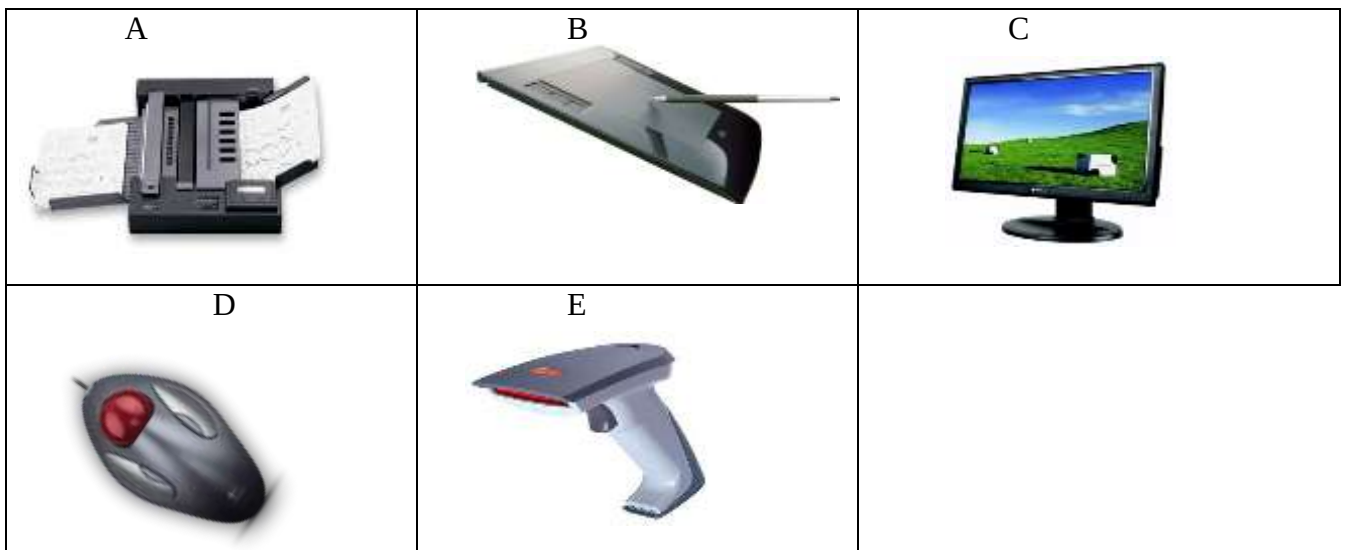
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b) versatility

c) automation

(ii) Give any four advantages of using information technology in our day today activities. (04)

5. Study the devices below and answer questions that follow:



(a) Name the devices labeled.

(05 marks)

- A.
- B.
- C.
- D.
- E.

(b) Give one major difference between devices C and D .

(01)

(c) Give any four differences between RAM and ROM

(04)

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6. a(i) Define the term a computer topology

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ii) with the help of a diagram, explain how the following network topologies

a) bus topology

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b) ring topology

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(ii) Give any five disadvantages of using computers in society. (05)

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SECTION C

How can computers (ICT) be used in the following fields?

(20)

- (i) At home
- (ii) In school
- (iii) In health
- (iv) In transport

END

