



**CSE 1174 Information Technology**

**Duration: 2 Hours**

**Date: 13.12.2008**

**Time: 10.00am – 12.00 noon**

Answer Four Questions Only.

**Q1.**

- a. Write short notes on the following:
  - I. Features of a computer
  - II. peripherals
  - III. RAM
- b. What is the memory in computer?
- c. What are the differences between a micro computer and a mobile computer?
- d. Write short notes on the following:
  - I. Bit
  - II. Byte

**Q2.**

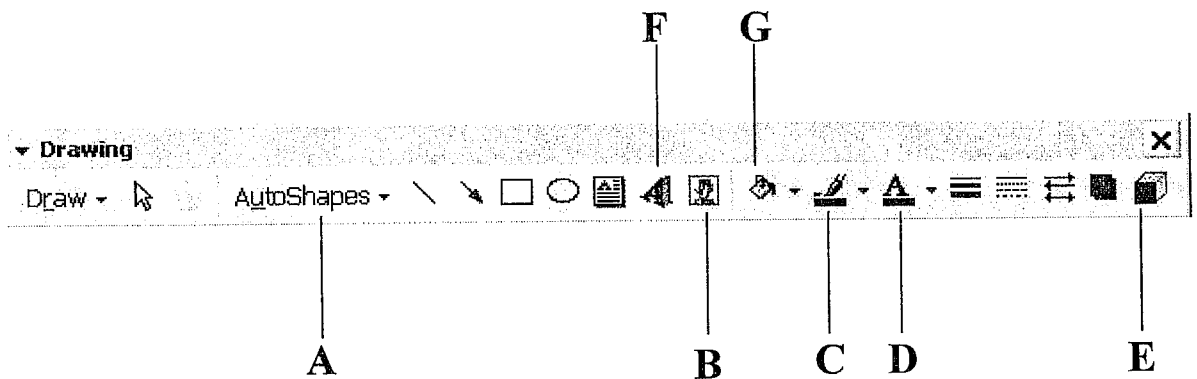
- a. Convert the following decimal value numbers into binary and binary value numbers into decimal.
  - i.  $225_{10}$
  - ii.  $1100111_2$
- b. There are four programs in system software. Describe each of them briefly.
- c. Describe two operating systems.
- d. State whether the following statements are TRUE or FALSE.
  - i. Windows is a multi-user, multi-tasking operating system.
  - ii. MS Word is not an application software.
  - iii. Pascal is a High level language.
  - iv. My Computer icon, which appears on the start menu.
  - v. Control panel provide facilities for handling hardware & software.

**Q3.**

- a. State three activities carried out by the control unit of a computer
- b. Why MS-DOS operating system is not popular among users. Give three reasons.
- c. Write short notes on the following :
  - i) My computer
  - ii) Linux
  - iii) Task bar

**Q4.**

- a. Describe main facilities provide by MS-Word.



- b. Using the above figure, describe how the following tasks are carried out.
  - i. Insert pictures into your text document.
  - ii. Insert Word Art into your text document.
  - iii. Set the 3D to the Word Art.
  - iv. Insert auto shape into your document.
  - v. Change text color.
  - vi. Change background color in picture.
- c. Why should we always use the shut down option when shutting down a computer?

**Q5.**

- a. Describe how computers can be used in a school to make their day to day activities easier.
- b. State *three* activities where computers are used in an office.
- c. Answer the following questions using the table given below:

	A	B	C	D	E	F
1	STU_NO	STU_NAME	STU_M1	STU_M2	TOTAL	AVERAGE
2	147	Mala	45	65		
3	852	Kapila	62	21		
4	123	Rosi	35	75		
5	456	Raj	85	82		
6	951	Lal	42	55		
7	753	Gamini	51	40		
8	324	Roshan	25	39		

- i. Write a function to find the total marks.
- ii. Write a function to find the maximum, minimum and total mark.
- iii. Write a function to find the average of marks.
- iv. Write a function to add extra 10 marks to all the students.

**Q6.**

- a. Briefly describe Field, Record, Table and Query in MS Access.
- b. In the modern world, almost every computer is connected to a network. And it is true that networking enables sharing resources. Briefly describe three drawbacks that may occur due to being connected to a network.
- c. Write short notes for each of the following in the context of the Internet.
  - i. IP address
  - ii. Protocol
  - iii. Telnet
  - iv. Search engine

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