The Open University of Sri Lanka

MA in Teacher Education Degree Programme

Final Examination 2007

CSE 1174 Information Technology

Duration: 2 Hours

036

Date: 07.06.2007	Time: 10.00 am- 12.00 noon

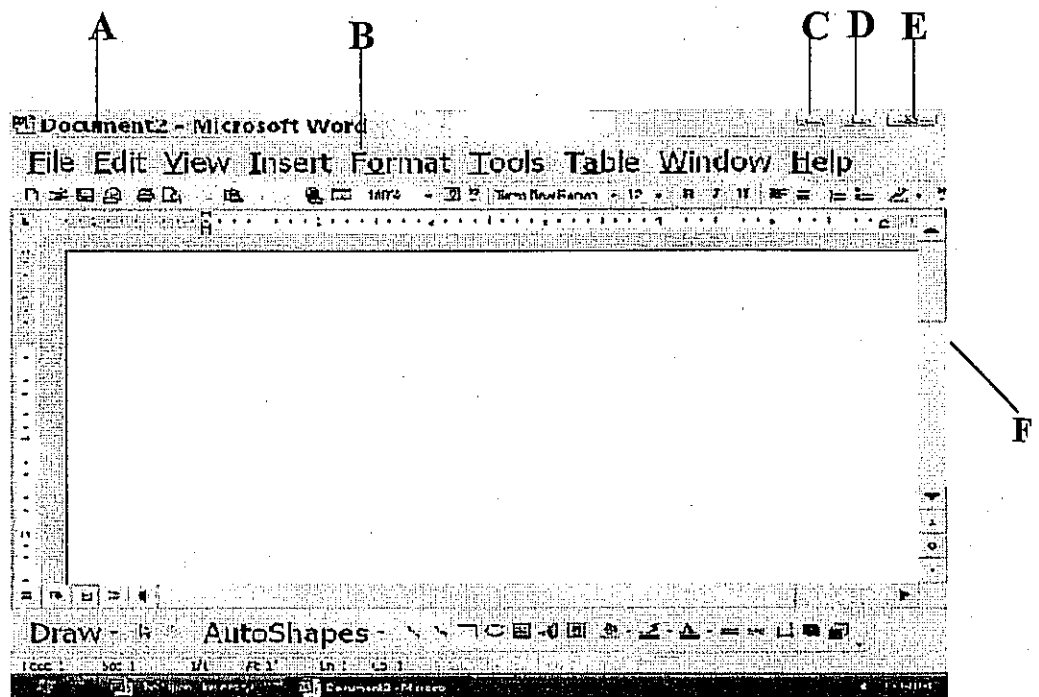Answer Four Questions Only.

Q1.

    a.   Write short notes on the following:

        I. Features of a computer

        II. CPU

        III. Types of computers

    b.   What are the peripherals of a computer?

    c.   Explain the differences between a micro computer and a supercomputer?

    d.   Write short notes on the following:

        I. Bit

        II. Byte

Q2.

    a.   Convert the following decimal value into binary and binary value into decimal.

        i. 451_{10} ii. 01110011_2

    b.   There are four programs in system software. Describe each one briefly.

    c.   Describe two operating systems of your choice.

    d.   Indicate whether the following statements are TRUE or FALSE.

        i.   UNIX is a multi-user, multi-tasking operating system.

        ii.   Internet explorer is not an application software.

        iii.   Pascal is a low level language.

        iv.   My Computer icon appears on the start menu.

        v.   Control panel provides facilities for handling of hardware & software.

Q3.
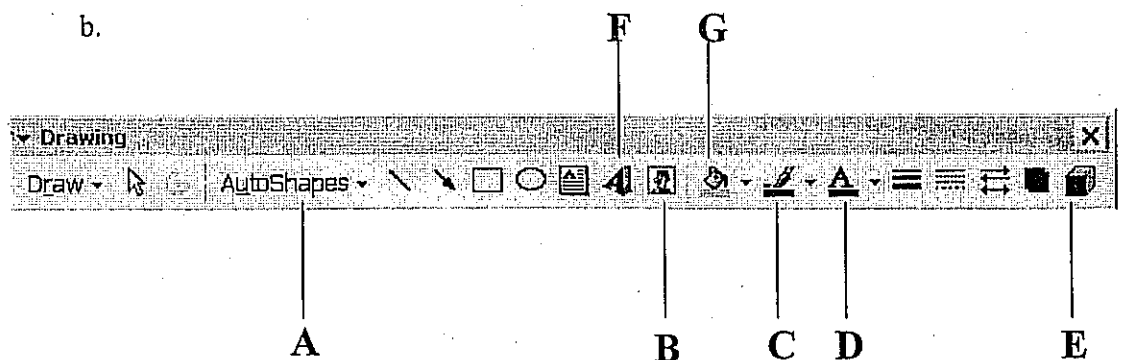
    a.   What are the advantages of Windows explorer?

    b.   Describe the labels, named A to G in the following picture.

    c. Write short notes on the following :

           i) Application software

           ii) Unix

           iii) Desktop

Q4.

    a. Describe the main facilities of MS-Word.

    b.

By using the given 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 3D to the Word Art.

    iv. Insert bullets into your text document.

    v. Change text color.

    vi. Change background color in a picture.

c.   Draw four Microsoft PowerPoint presentation slides with buttons, pictures etc.. to introduce computer technology to the kids .

Q5.

a.   What is the purpose of a spreadsheet?

b.   Using your knowledge on Microsoft Excel, explain the following terms.

    i. Name box

    ii. Formula bar

    iii. Worksheet

c.   Answer the following questions by 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 of each student.(marks are given in columns C and D)

    ii. Write a function to find the maximum and minimum total mark.

    iii. Write a function to find the average marks.

    iv. Write a function to add extra 10 marks to the total for all.

Q6.

a.   Briefly describe the terms Field, Record, Table and Query in MS Access.

b   What is the Internet? Describe advantages of it.

c.   Write short notes on the following:

    i. WWW

    ii. Telemedicine

    iii. URL

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