Name : ……………………………………………………………………

Roll No. : ……………………………………………………………

Invigilator's Signature : ………………………………………

CS/BBA (H), BIRM, BSCM/SEM-1/BBA-106/2009-10
2009
COMPUTER APPLICATIONS – I

Time Allotted : 3 Hours   Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words
as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :   10 × 1 = 10

    i) Hard copy is a term used to describe

         a) writing on a hardboard

         b) printed output

         c) storing information on the hard disk

         d) all of these.

    ii) A daisy wheel is a type of

         a) printer   b) storage device

         c) pointing device   d) none of these.

    iii) Magnetic tape is a

         a) serial access medium

         b) random access medium

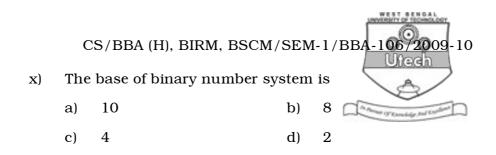   c) a parallel access medium

         d) none of these.

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iv)   DOS stands for

    a)   Data Operating System

    b)   Distributed Operating System

    c)   Disk Operating System

    d)   None of these.

v)   Compilation is

    a)   to change a high level languages program into binary form

    b)   to change assembly language to machine language

    c)   to change machine language to high level language

    d)   none of these.

vi)   ASCII refers to

    a)   American Standard Code for Information Interchange

    b)   Abacus Standard Code for Information Interchange

    c)   American Software Code for Information Interchange

    d)   None of these.

vii)   DOS and some version of UNIX are examples of .... Interface.

    a)   Old fashioned   b)   GUI

    c)   Command line   d)   Parallel.

viii)   1 kb .... byte.

    a)   1000   b)   1024

    c)   1026   d)   256.

ix)   BIOS is

    a)   collection of I/O driver programs

    b)   parts OS to perform I/O operations

    c)   a program to control one of the I/O peripherals

    d)   none of these.

x) The base of binary number system is

a) 10   b) 8

c) 4   d) 2

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. What are the differences between SRAM and DRAM ? What are the differences between LAN and WAN ?

3. What is an executable program ? What is object program ?

4. Explain the functions of cache memory and virtual memory.

5. What is cache memory ? Comment on its size and addressing.

6. Discuss the different generations of computer hardware.

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

7. a) Draw the block diagram of a digital computer and describe all the parts.   7

   b) Explain the different generations of computer.   5

   c) Write down the full form of EPROM and EEROM.   3

8. a) Describe the following :   9

   i) switch

   ii) hubs

   iii) routers

b) What do you mean by local area network and wide area network. 3

c) Write down the difference between Internet and Intranet. 2

d) Write down the full form of URL. 1

9. a) What do you mean by algorithm and flow-chart ?

b) State the differences between interpreter and compiler.

c) What are the different types of printer ?

d) How are MICR different from OCR ? 4 + 4 + 5 + 2

10. a) Define software. Broadly classify the software with examples.

b) State the functions of operating system.

c) Write short note on scanner. 5 + 5 + 5

11. a) What are volatile memory and non-volatile memory ? 4

b) Without OS the system is meaningless. Comment. 4

c) What do you mean by algorithm and flow-chart. 3

d) What do you mean by office automation ? 3

e) What is www ? 1

12. a) Write a program algorithm to find the roots of quadratic equation $ax^2 + bx + c = 0$. Draw its flow-chart. 7

b) Draw a flow-chart to generate and print the Fibonacci series 0 1 1 2 3 5 8 ..... n. 4

c) What is Fetch Decode Execute Cycle ? Explain. 4