Name : .....

Roll No. : .....

Invigilator's Signature : .....

CS/BBA (H) BIRM/BSCM/SEM-1/BBA-106/2012-13

2012
COMPUTER APPLICATIONS-1

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 : $10 \times 1 = 10$

   i) Assembler converts _____ to _____

      a) Machine language to Assembly language.

      b) Assembly language to High level language

      c) Assembly language to fourth generation language

      d) Assembly language to Machine language.

   ii) The base of hexadecimal number system is _____

      a) 61 b) 16

      c) 161 d) 116.

   iii) _____ is not a point and draw device.

      a) Mouse b) Keyboard

      c) Light pen d) Joystick.

iv) _____ is an application software.

a) Operating system b) Linker

c) Word processor d) None of these.

v) The task of an input interface is to convert _____ to ____.

a) human readable data to binary form.

b) binary form to human readable form

c) both a and b

d) None of these.

vi) _____ is/are non-volatile memory.

a) RAM b) Hard disk

c) CD d) both b and c.

vii) Walkie Talkie is an example of _____

a) simplex transmission

b) half duplex transmission

c) full duplex transmission

d) None of these.

viii) VLSI is _____

a) Versatility Large Scale Integration

b) Very Large Scope Integration

c) Very Large Scale Integration

d) Very Large Scale Information.

ix) RISC and CISC are types of _____

a) Momory b) Processors

c) Input device d) Output device.

x) Vacuum tubes were used in _____ generation of computers.

a) first b) second

c) third d) fourth.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. What is a Mouse ? Identify the five essential techniques for using a mouse.
3. Explain the various components of CPU with the help of a sketch diagram.
4. Explain the principle and working of laser printers.
5. Differentiate between RAM and ROM

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

6. a) What is operating system ? Give some examples. Write down the function of operating system. 10

   b) Compare System Software vs Application software. 5

7 a) Explain the instruction cycle. 5

   b) What are CPU registers ? Mention any two registers along with their functions. 5

   c) What is Cache Memory ? 5

8. a) Differentiate between soft copy and hard copy output. 5

   b) What is printer ? Explain the different types of printer. 10

9. a) Draw the block diagram of 'Basic computer Organization'. 6

   b) Write a short note on CPU, Input Unit and Output Unit. 9

10. Write short notes on any three : $3 \times 5 = 15$

    a) Transmission modes.

    b) Algorithm

    c) Language translators.

    d) Multimedia.

    e) ROM.