Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/BBA(H), BIRM, BSCM/SEM-1/BBA-106/2010-11
2010-11
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 any *ten* of the following :

                                                    $10 \times 1 = 10$

    i)   Fourth generation computer was based on

         a) a vacuum tube   b) a transistor

         c) an IC chip   d) all of these.

    ii) MAR means

         a) Memory Arithmetic Register

         b) Memory Address Register

         c) Methodical Address Register

         d) Media Access Register.

    iii) Computer understands only

         a) machine language   b) high-level language

         c) low-level language   d) assembly language.

[Turn over

iv) ROM is a

   a) volatile   b) non-volatile

   c) both (a) and (b)   d) none of these.

v) CPU stands for

   a) Control Processing Unit

   b) Central Processing Unit

   c) Cache Processing Unit

   d) None of these.

vi) Operating system is a/an

   a) application software

   b) system software

   c) system firmware

   d) application middleware.

vii) BASIC stands for

   a) beginner's all-purpose systematic instruction code

   b) beginner's all-purpose symbolic instruction code

   c) both (a) and (b)

   d) none of these.

viii) OSI model stands for

    a)   Open Standard Interface

    b)   Open Service Interface

    c)   Open System Interconnection

    d)   none of these.

ix) WAN means

    a)   Wireless Area Network

    b)   Wide Area Network

    c)   Wi-Fi Area Network

    d)   All of these.

x)   ………………… is not a layer of operating system.

    a)   Kernel   b)   Shell

    c)   Application program   d)   Critical section.

xi) The radix of Octal number system is

    a)   2   b)   8
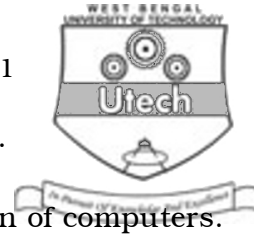
    c)   9   d)   16.

GROUP – B
(Short Answer Type Questions)
Answer any *three* of the following.   3 × 5 = 15

2.   What is a virtual memory ? Explain the function of cache memory.

3.   What is a compiler ? Explain the function of compiler and interpreter.

4. Briefly discuss about LAN, MAN and WAN.

5. Discuss the disadvantages of 1st generation of computers.

6. How is an instruction executed ? Discuss about "Fetch Cycle".

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

7. a) What is internet ? What are the differences between internet and intranet.

   b) Describe briefly the OSI model and the functions of different layers. 5 + 10

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

   b) What are the different types of printer ?

   c) How is MICR different from OCR ?

   d) What is www ? 6 + 3 + 4 + 2

9. With the algorithm and flow-chart write a 'C' program to check whether an inputted no. is Palindrome or not.

   Palindrome no. is a no. whose reverse is same as the original no. 3 + 3 + 9

10. What is Network ? Describe the modes of Data Transfer with diagram. Briefly explain the importance of a programming language. What is the role played by a compiler ?

   2 + (2 × 3) + 4 + 3