

Name :

Roll No. :

Invigilator's Signature :

CS/BBA(H),BIRM, BSCM/SEM-1/BBA-106/2011-12

2011

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

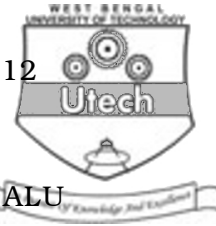
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

- i) ALU performs
 - a) only arithmetic operations
 - b) only logical operations
 - c) string data
 - d) both arithmetic and logical operations.

- ii) Floppy Disk is a storage media of type
 - a) Direct access
 - b) Sequential access
 - c) Both direct and sequential access
 - d) none of these.



- iii) RAM is used in
- a) main memory
 - b) part of ALU
 - c) secondary memory
 - d) memory data register.
- iv) Which of the following is not a hardware ?
- a) Compiler
 - b) Chip
 - c) CPU
 - d) Memory unit.
- v) The unit which stores all data, instructions and results temporarily during execution is called
- a) main memory
 - b) control unit
 - c) ALU
 - d) I/O.
- vi) An assembler in computer refers to a/an
- a) person
 - b) hardware
 - c) language
 - d) programme
 - e) electronic circuit.
- vii) Which of the following is not a magnetic memory ?
- a) Floppy disk
 - b) Magnetic tape
 - c) Flip-flop
 - d) Core.
- viii) The 2's compliment of 00110 is
- a) 11010
 - b) 10101
 - c) 11001
 - d) none of these.
- ix) The base in Hexadecimal number is
- a) 4
 - b) 6
 - c) 12
 - d) 16.



- x) Negative number in computer uses
- sign bit conversion
 - 2's compliment method
 - 1's compliment method
 - all of these.

GROUP – B

(Short Answer Type Questions)

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

- What is LAN ? What are the advantages of LAN ? 3
 - What is WAN ? What is MAN ? 2
- Convert decimal to octal equivalent : 2
 $(831)_{10} = (?)_8$
 - Convert binary to decimal equivalent : 2
 $(11001.101)_2 = (?)_{10}$
 - What is the relation between a bit and a byte ? 1
- What is software ? How many types of software are there ? 3 + 2
- Write the features of Machine Language and Assembly Language.
- What is Cache Memory ?

GROUP – C

(Long Answer Type Questions)

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

- Draw the block diagram of a computer system and explain the functions of each of the constituent blocks. 10
 - What are Viruses ? Give examples. 5



8. a) What are CPU registers ? How many types of registers are there ? 6
- b) List the various computer generations along with the key characteristics of computers of each generations. 9
9. a) Differentiate between soft copy and hard copy output. 5
- b) Three numbers denoted by the variables *A*, *B*, *C* are supplied as input data. Draw a flowchart for the logic to identify and print the largest one. 6
- c) What is Multimedia ? 4
10. a) Draw the block diagram of 'Basic Computer Organization'. 6
- b) Distinguish between primary storage and secondary storage. 5
- c) Write the functions of the input unit. 4
11. a) What is Operating system ? List the functions of Operating system. 8
- b) Explain any *two* network topologies. 7

