BBA-106

COMPUTER APPLICATIONS-I

Time Allotted: 3 Hours   Full Marks: 70

The questions are of equal value.
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.   Answer all questions.   10×1 = 10

(i) The 2's compliment of 00110 is

(A) 11010   (B) 10101

(C) 11001   (D) none of these

(ii) An assembler in computer refers to a/an

(A) person   (B) hardware

(C) language   (D) programme

(E) electronic circuit

(iii) The unit which stored all data, instructions and results temporarily during execution is called

(A) main memory   (B) control unit

(C) ALU   (D) I/O

(iv) Which of the following is not a hardware?

(A) compiler   (B) chip

(C) CPU   (D) memory unit

(v) RAM is used in

(A) main memory   (B) part of ALU

(C) secondary memory   (D) memory data register

1256   1

(vi) Floppy Disk is a storage media of type

(A) direct access   (B) sequential access

(C) both (A) and (B)   (D) none of these

(vii) ALU performs

(A) only arithmetic operations   (B) only logical operations

(C) string data   (D) both (A) and (B)

(viii) Hub is used in

(A) bus topology   (B) ring topology

(C) star topology   (D) none of these

(ix) 2 bytes correspond to

(A) 4 bits   (B) 8 bits

(C) 16 bits   (D) 32 bits

(x) The base in Hexadecimal number is

(A) 4   (B) 6

(C) 12   (D) 16

GROUP B
(Short Answer Type Questions)

Answer any *three* questions.   3×5 = 15

2. Write a pseudo code to reverse a number.

3. Differentiate between algorithm and flowchart.

4. What is a Internet? Differentiate between Internet and Intranet.   2+3

5. What is a virtual memory? Explain the function of cache memory.   2+3

6. Indicate the difference between LAN and WAN.

GROUP C
(Long Answer Type Questions)

Answer any *three* questions.   3×15 = 45

7. (a) Describe briefly the OSI Model and the function of different layers.   8+3+4
   (b) Compare and contrast Bus Topology and Ring Topology.
   (c) Describe different connecting devices used for data communication.

8. (a) What is Integrated Program Development Environment? Describe its   (2+3)+5+5
   different components.
   (b) Describe different features of Object Orient Programming with examples.
   (c) Draw a flowchart to print the Fibonacci series
   0,1,1,2,3,5,8,13....

9. (a) Draw the block diagram of computer system and explain the functions   10+5
   of each of the constituent blocks.
   (b) What are viruses? Give examples.

10.(a) Define Software.   3+6+6
   (b) Broadly classify software with examples.
   (c) State the functions of an operating system.

11.   Write short notes on any *three* of the following: 3×5
   (a) Distributed System.
   (b) TCP/IP Protocol Suite.
   (c) Office Automation System.
   (d) Data Acquisition System.
   (e) Multimedia.