MODEL QUESTION PAPER-II(NEP)
BCA I SEMESTER

Sub: Computer Fundamental   **Max Marks: 60**
Date: 24-02-2022   **Time: 02.00 Hrs**

Read Instructions carefully.
a. Answer any Six Questions from Question 1
b. Answer any Three each Questions from Question 2,3,4 and 5

1. Answer any six questions (Two Questions from each unit) 2X6=12

a. List any three characteristics of second generation of computers.

b. Define primary memory? give an example.

c. What is non positional number system? give example.

d. Convert (11011) base 2 to its decimal number.

e. What is language translator ? Give an example.

f. Mention the steps for program developing life cycle.

g. Define multiprogramming.

h. Mention any three most popular websites.

2. Answer any three questions (Covers Unit-I). 4X3=12

a. Write a note on evolution of computers.

b. Explain the characteristics of third generation computers.

c. Draw the neat block diagram and explain the basic organization of computer system.

d. Write a short note on

  i) Cache memory   ii) Secondary memory

  iii) Data processing unit

3. Answer any three questions (Covers Unit-II). 4X3=12

a. i)11011(2)+1010(2)   ii) 11100(2) -1110(2)   iii) 125(10)=--------(2)

b. What is binary arithmetic? state the four rules in respect of

i) binary subtraction   ii) binary multiplication

c. Explain any six features of a good programming language.

d. Differentiate algorithm and flowcharts.

4. Answer any three questions (Covers Unit-III). 4X3=12

a. Differentiate System software and application software.

b. Explain memory management system in operating system.

c. Write a short note on
   i) Multi programming
   ii) Time sharing

d. State the purpose and syntax of following commands.
a) cd
b) echo
c) cal
d) date
e) cl
f) rmdir

5. Answer any three questions (Covers Unit-IV). 4X3=12

a. Explain the process of file processing system.

b. Write advantages and disadvantages of DBMS.

 c. Explain about works of URL.

d. Explain the services of ISP.