IV Semester B.C.A. Examination, August/September 2023
(NEP)
COMPUTER SCIENCE
4.3 : Internet Technologies

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer **any four** questions from **each** Sections.*

SECTION – A

I. Answer **any four** questions. **Each** question carries **2** marks.　　　　(4×2=8)
   1) Define cookies.
   2) What is scripting language ?
   3) Define :
      a) Internet　　　　　　　　b) WWW
   4) What is protocol ? Name any two.
   5) What is domain name ? Name any two.
   6) Name any 4 web designing tools.

SECTION – B

II. Answer **any four** questions. **Each** question carries **5** marks.　　　　(4×5=20)
   7) What is HTML ? Explain any 4 tags with example.
   8) Explain HTTP request method.
   9) What is CSS ? Explain different types of CSS.
   10) Differentiate client and server side scripting.
   11) Explain the applications of internet.
   12) What is online certification ? Explain.

SECTION – C

III. Answer **any four** questions. **Each** question carries **8** marks.　　　　(4×8=32)
   13) Write a program to create time table using table tag in HTML.
   14) Explain web frame work with neat diagram.
   15) With the neat diagram explain internet architecture.
   16) a) Distinguish between SQL and NOSQL data base.
       b) Explain query processing.　　　　　　　　　　　　　　　　(4+4)
   17) a) Explain the types of cookies.
       b) Write the steps to create an application using Angular JS.
   18) Explain Model-View-Controller Architecture (MVC) with neat diagram.　　**8**

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14) a) What is a string ? Explain any five string functions.   5

    b) What is control array ? Explain use of control array with example.   5

15) a) Explain select case statement in visual basic with suitable example program.   5

    b) What is class module ? Explain the procedure to create class module in visual basic.   5

16) a) Explain different types of file modes.   5

    b) Explain DAO (Data Access Object).   5

17) a) Write a program to validate username and password using data control.   5

    b) What is record set ? Discuss the types of record set objects.   5

18) a) Write a visual basic program to store student data into database using ADODC.   5

    b) Describe Microsoft VC++ environment.   5

19) a) Explain splitter windows.   5

    b) Discuss document view architecture.   5

20) a) Write a note on message map.   5

    b) Explain exception handling in VC++ with a program.   5

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