(Printed Pages 4)

23/158 C

B.C.A. (First Semester)
Examination, 2023
Fourth Paper

B.C.A. 104

(Fundamental of Information Technology)

Time : Three Hours]   *[Maximum Marks : 70*

Note : Attempt questions from **all** sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Attempt **all** parts of this question. Give answer of each part in about **50** Words.   1.5×10=15

1. (i) What is the role of hardware component in the work of digital computer?

    (ii) What do you mean by Application Software?

P.T.O.

(2)

(iii) What is Microprocessor?

(iv) What is the full form of EBCDIC?

(v) What is translator?

(vi) Write about peripheral device.

(vii) Write name of 4th generation language.

(viii) What do you understand by Topology?

(ix) Write demerits of Assembly language.

(x) Write any two features of Internet.

Section-B

(Short Answer Type Questions)

Note : Attempt any **five** questions. Give answer of each question in about **200** words.

7×5=35

2. List and explain specific components of an operating system.

OR

How website is related to web server? Explain in brief.

3. How ICT is extended form of it? Explain it.

OR

What is the role of compiler in programming languages?

23/158 C

4. Explain any two programming techniques which are always useful in the code of program.

OR

Write differences between compiler and interpreter.

5. What is role of Algorithm? Write rules for making flowchart. https://www.vbspustudy.com

OR

How machine language is very efficient for any digital computer? Explain in brief.

6. Write any five differences between Mesh and Tree Topology.

OR

Describe types of network with example.

7. Write role of file and directory to make documentation.

OR

Write short notes on:

(a) Unix Operating System

(b) Time Sharing

23/158 C

(Long Answer Type Questions)

Note : Attempt any **two** questions. Give answer of each question in about **500** words.

10×2=20

8. Discuss about role of data communication in network? Explain network topologies with diagram and example.

9. Explain types of software with example. **Write characteristics of Windows Operating System.**

10 Write any five internal and external commands with syntax and example.

11. Describe classification and generation of computer in modern era.

23/158 C