

21/226-C**B.C.A. (First Semester) Examination, 2021****Paper : Fourth (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.

$$1\frac{1}{2} \times 10 = 15$$

1. (a) What is the difference between hardware and software?
- (b) What is primary memory?
- (c) What is TCP/IP.
- (d) What are the different symbols used in flow chart.

P.T.O.**(2)**

- (e) What are the characteristics of an algorithm?
- (f) Write the name of 5 internal and external commands of DOS.
- (g) Write any three Unix commands?
- (h) What is Modular programming.
- (i) What is Control Panel.
- (j) What are Utility Programs?

Section-B**(Short Answer Type Questions)****Note :** Attempt **all** questions. Give answer of each question in about 200 words.

$$7 \times 5 = 35$$

2. What do you meant by storage devices? Explain with examples.

OR

Explain input and output devices.

3. What are the various primary memories? Enumerate and explain each.

OR

Draw a block diagram of a computer. Explain the function of each block.

21/226-C

(3)

4. Explain the concept of LAN, WAN and MAN.
Differentiate each of them.

OR

Differentiate between:

- (i) Compiler and Interpreter
 - (ii) Assembly language and Machine level language
5. Explain the limitations and capabilities of a computer.

OR

What are different network topologies?
Explain. <https://www.vbspustudy.com>

6. What is MODEM? How does it work?

OR

Explain the function of followings in a Windows based PC.

- (i) Task bar
- (ii) Recycle bin
- (iii) Windows Explorer

21/226-C

P.T.O.

<https://www.vbspustudy.com>

(4)

Section-C

(Long Answer Type Questions)

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

10×2=20

- 7. Classify computers based on their function & size. Explain.
- 8. What do you mean by multiprogramming, multitasking and time sharing operating system.
- 9. What do you mean by Internet and Extranet. Explain.
- 10. What are the rules for making a flow-chart? What are their advantages and disadvantages.
- 11. What is the need of software? What are various types of software? Explain each.

21/226-C

<https://www.vbspustudy.com>