



41123/A230

Reg. No.

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

I Semester B.C.A. 4 Degree Examination, March - 2021

COMPUTER FUNDAMENTALS

(Repeater)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. All the **Three** parts are Compulsory.
2. Draw diagram where necessary.

PART - A

1. Answer the following questions.

(10×2=20)

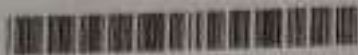
- a) Define data and information.
- b) Differentiate RAM and ROM.
- c) Name the types of number system.
- d) Expand EBCDIC and ASCII
- e) What is Cache memory?
- f) What is Motherboard?
- g) Expand USB and DVD.
- h) What is Ms-Word? Name the Versions.
- i) Define Kernel.
- j) Write the Purpose of 'ls' and 'cd' Command in Linux operating system.

PART - BAnswer any **FOUR** questions.

(4×5=20)

2. Explain generations of Computer.
3. Explain Positional number system.
4. Draw a neat diagram of Optical disk explain.
5. Explain any five options of Control panel.
6. State the Purpose and Syntax of following Commands.
 - i) Cat
 - ii) mk dir
 - iii) grep
 - iv) mv
 - v) r m.

P.T.O.



PART - C

Answer any **FOUR** full questions.

(4×10=40)

7. a) Draw a neat diagram of block diagram of Computer and explain the function of each unit. (5)
- b) Briefly discuss any five applications of Computer. (5)
8. a) What is Binary arithmetic? State the four rules in respect of (5)
- i) Binary multiplication
- ii) Binary division
- b) i) Convert the given binary number $(10101)_2$ to its equivalent octal, decimal and hexa decimal number. (5)
- ii) Convert the given decimal number $(145)_{10}$ to its equivalent binary and octal number
9. a) What is Secondary memory? Briefly explain magnetic disk and flash drives. (5)
- b) Write a note on (any one)
- i) Projector (5)
- ii) Plotter
10. a) Discuss Home tab of Ms-word. (5)
- b) Explain the Concept of (any one) (5)
- i) Real time Operations system.
- ii) Time sharing Operations system.
11. a) Draw a neat diagram of desktop and explain any five icons. (5)
- b) Write a note on (any one) (5)
- i) Files and folders
- ii) Windows explorer.
-