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Reg. No.

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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 - B

- Answer 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.

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**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.
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