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SUBJECT CODE NO: - BNP-2568
FACULTY OF SCIENCE AND TECHNOLOGY
BSc. F.Y.(SEM-I)(CBCGS NEP) Computer Science
Examination November / December 2024
Computer Science Basics of Computer

[Time: 1:00 Hours]

[Max. Marks: 30]

Please check whether you have got the right question paper.

N. B

- 1) All Question from **Part-A** is compulsory
- 2) Attempt any **four** questions from **Part-B**

Part-A**Q.1 A) Multiple choice questions.****5**

1. Which of the following is an example of an input device?
 - a) Monitor
 - b) Keyboard
 - c) Printer
 - d) Speaker
2. Which of the following is an output device?
 - a) Monitor
 - b) Keyboard
 - c) Mouse
 - d) Scanner
3. Which part of a computer is known as the brain?
 - a) RAM
 - b) CPU
 - c) Hard Drive
 - d) Motherboard
4. Which of the following numbers is a binary number?
 - a) 1 and 2
 - b) 0 and 0.1
 - c) 2 and 0
 - d) 0 and 1
5. What is the full form of VDU?
 - a) Virtual Development User
 - b) Virtual Detection Unit
 - c) Visual Detection Unit
 - d) Visual Display Unit

**B) Fill in the Blanks****5**

1. The binary equivalent of the decimal number 4 is _____.
2. A _____ gate gives the output as 1 only if all the inputs signals are 1.
3. 1 byte consists of _____.
4. What is a single dot on a computer screen called _____?

5. Convert: $(110)_2 = (_)_{10}$.

Part-B

Note:-Attempt any four questions from Q. No. 2 to Q.No.7.

- | | |
|---|---|
| Q.2 Discuss the Binary addition and subtraction? | 5 |
| Q.3 Illustrate block diagram of computer and explain its components | 5 |
| Q.4 What are the characteristics of a good programming language? | 5 |
| Q.5 Explain the details of Flowcharts with suitable example? | 5 |
| Q.6 Describe the JK Flip-Flop | 5 |
| Q.7 Explain the working of OR, AND, Not gates with truth table? | 5 |


