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FIRST YEAR (FYBCOM)
24ELE12303 : COMPUTER HARDWARE
(Semester II)

Program: FYBCOM
Program Specific: FYBCOM
Course Type: Open Elective
Paper: OE

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

Q1) Answer the following State True or False

[5 X 1= 5]

- a) Memory is part of computer
- b) Hexadecimal, Binary, Octal number system is used in computer
- c) OR gate is nothing but just like addition in mathematics
- d) Software of computer means programmes in different computer language
- e) Without hardware software cannot work in computer

Q2) Answer the following (Attempt any 5/7)

[5 X 2=10]

- a) Find 1's complement of binary number 110011
- b) Find 2's complement of binary number 110011
- c) Draw truth table and symbol of AND gate
- d) Draw truth table and symbol of NAND gate
- e) Draw T Flipflop with truth table
- f) Draw SR Flipflop with truth table
- g) Define Volatile and Nonvolatile memory

Q3) Write short notes on following (Attempt any 2/4)

[2 X 5=10]

- a) Central processing unit
- b) Monitor of computer
- c) Random access memory of computer
- d) Keyboard of computer

Q4) Answer the following (Attempt any 1/2)

[5 X 1=5]

- a) Define and explain Cache memory or auxiliary memory
- b) Convert binary number. 1110 into decimal number
