



OPEN ELECTIVE
First Year BCOM AND BA
COURSE CODE: COMPUTER HARDWARE (Semester II)

Course Type: Open Elective
Paper: (OE 2)
Time: 2 Hours

Credits: 2
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.

SECTION: A

Q1) Answer the following questions (**Attempt any 5/7**) **[5 X 1 = 5]**

1. The control unit controls other units by generating control signals.
2. RAM is used to store library subroutine system programs and function tables
3. A processor is a semiconductor device and operates at very low speed
4. A microprogramme is a sequence of microinstructions
5. A bus consists of a set of lines ,each line capable of transmitting signal representing 2 and 4
6. CPU consists of register set and ALU and control unit
7. RAM is a memory device made of semiconductors.

SECTION: B

Q2) Answer the following questions (**Attempt any 5/7**) **[5 X 1 = 5]**

1. Explain T-Flipflip
2. State different logic gates
3. What is auxillary memory
4. What are different buses used in Computer
5. Explain D-Flip flop
6. What is Cache memory
7. Define ac and dc signal

SECTION: C

Q3) Answer the following questions (Attempt any 2/4)

[2 X 5 = 10]

1. What is Flip flop
2. Define volatile and Nonvolatile memory
3. Write about data bus and address bus
4. Convert binary number (1111) into decimal number

SECTION: D

Q4) Answer the following questions (Attempt any 2/4)

[2 X 5 = 10]

1. Write short note on Keyboard
2. Write short note on Monitor
3. Write short note on Central Processing Unit
4. Write short note on memory
