

AE-1248

B.Sc. (Part - II)
Term End Examination, 2016-17

COMPUTER SCIENCE

Paper - I

Computer Hardware

Time : Three Hours] [*Maximum Marks* : 50

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. Explain the Flinn's classification of Computers.

OR

State the components of Digital Computer.

Unit-II

2. List and explain the steps involved in Instruction cycle.

OR

574_BSP_(2)

(Turn Over)

(2)

What is Addressing mode ? Explain the different types of addressing mode.

Unit-III

3. Explain the following :
- (a) Magnetic memory
 - (b) Virtual memory

OR

What is Cache memory ? Explain the working of cache memory.

Unit-IV

4. Draw and explain the block diagram of Microcontroller.

OR

Explain Signal Processor and Arithmetic Processor in detail.

Unit-V

5. Differentiate among Machine Language, Assembly Language and High Level Language.

OR

Explain about the Operating System and other utility programs.