

**AH – 1217 CV-19**  
**B.A./B.Sc. (Part-III)**  
**(Regular/Private/Ex./Suppl.)**  
**Term End Examination 2019-20**  
**MATHEMATICS**  
**Paper – III(A)**  
**Principles of Computer Science**

**Time : Three Hours]**

**[Maximum Marks : 50**

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**Note: Answer All Questions. All Question Carry Equal Marks.**

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**Unit- I**

1. What is stored Program Concept? Write a brief note on central Processing unit.

**Or**

What is data storage? Explain Main memory . How it is different from Secondary Memory.

**Unit- II**

2. What is Operating System ? Explain function of operating system.

**Or**

Define & Explain the following tern –

- (i) Software engineering
- (ii) Modularity

**Unit- III**

3. Define Parallel Computing. Explain its advantage.

**Or**

What is Algorithm? Explain its characteristics.

**Unit- IV**

4. Write a brief note on following data structure-

- (i) Array
- (ii) Stack

**Or**

Write a brief note on E-R Model.

**Unit- V**

5. Write a brief note on Turing Machine.

**Or**

Define Artificial Neural Network. Write its application.