Degree (Part-I) Vocational (Hons.) Examination, 2019

INFORMATION TECHNOLOGY

[Paper : First]

[PPU-D-IV(H)-IT - 1]

Time : Three Hours]

[Maximum Marks : 75

Note : The questions are of equal value. Answer **five** questions, selecting at least **one** from each group.

PPULearn.com

GROUP-A

1. Explain the different types of software and translator.

2. What are the basic operations of Computer ? Specify the Electronic components used for different computer generations.

3. What do you mean by computer networks ? Explain the different network topologies.

4. Explain the different transmission mode. Distinguish between analog and digital signals.

5.   Explain the following

   (a)   Multiprocessing

   (b)   Computer Virus

   (c)   Spreadsheet

GROUP-B

6.   What is object oriented programming ? Explain any three features of object oriented programming.

7.   Write a 'C' program to swap two integers without using third variable.

8.   What are the different looping construct available in 'C' ? Explain each of them with suitable example.

9.   What is a pointer ? Explain, with suitable example, call by value and call by reference.

GROUP-C

10.   What is data and address size in 8086 ? Enlist the various flags in 8086.

11. What is DMA controller ? What are the advantages of DMA ? How is DMA initiated by the processor ?

12. What is a microprocessor ? Explain the role and importance of clock in a computer system.

13. Enlist the characteristics of IBM PC. Why do we require Arithmetic co-processor ?

----- X -----