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

**Degree (Part-I) Examination, 2025**

**( Vocational )**

**FUNDAMENTAL OF  
INFORMATION TECHNOLOGY**

**[ Paper : First ]**

**Paper Code : 400501**

**Time : Three Hours]**

**[Maximum Marks : 75**

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**Note :** Candidates are required to give their answers in their own words as far as practicable. All the questions are of equal value. Answer any five question, selecting at least one from each group.

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**GROUP-A**

1. Write short notes on the following terms/keywords:
- (c) Primary Memory
  - (d) Secondary Memory

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**Turn Over**

2. (a) Discuss CPU. Explain the part of CPU.  
(b) What is Software? Explain types of software.
3. Explain the different transmission mode. Distinguish between analog and digital computer.
4. What are the basic operations of computer? Specify the electronic components used for different computer generations.

### GROUP-B

5. What is Header File? Discuss the use of any five header files.
6. (a) Write a program to swap two number using pointer.  
(b) Write a program to take radius of circle and compute area for only non-zero radius otherwise error return.
7. What is Array? WAP to take 10 numbers using array and arrange in ascending order.



8. What are the difference between looping and decision-making statement? Also discuss the types of loop with suitable example.

### GROUP-C

9. What is data and address size in 8086? Enlist the various flags in 8086.
10. What is DMA controller? What are the advantages of DMA? How is DMA initiated by the processor?
11. What is Microprocessor? Explain the role and importance of clock in a computer system.

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**THE END**