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

Degree (Part-I) Examination, 2024

( Vocational )

## 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. The questions are of equal value. Answer **any five** questions, selecting atleast one from each group.

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### Group-A

1. (a) Convert B15, 368, F6.12, and AA5.16 hexadecimal number into decimal number.
- (b) Define Transmission Mode.
2. Write short notes on the following :

(a) Cache Memory

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( 1 )

Turn Over

(b) VDU

(c) Magnetic Disk

3. (a) What is the difference between compiler and interpreter

(b) Define software and its types.

### Group-B

4. Define function and its types.

5. (a) Define do-while loop.

(b) Write a program to enter a number and check whether it is prime or not.

6. Write short notes on the following :

(a) Union

(b) Conditional statement

(c) Increment and decrement operator

### Group-C

7. Describe the architecture of 8086 microprocessor with block diagram.

8. (a) Define Microprocessor. Also discuss the families of microprocessor.

(b) Define Arithmetic Co-processor.

9. (a) Define the DMA controller.

(b) Define the organization of register of 8088 microprocessor.

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**THE END**