

4005-04

Printed Pages : 4

Degree (Part-II) Vocational Examination, 2021

(Honours)

INFORMATION TECHNOLOGY

[Paper : Fourth]

[PPU-D-II-(V)-(H)-(IT)-4]

Time : Three Hours]

[Maximum Marks : 75

Note : Candidates are required to answer in their own words as far as practicable. All the questions are of equal value.

Answer any five questions selecting at least one from each group.


Group-A

1. Write short notes on the following terms/keywords :

- (a) class and object
- (b) Making a function outline and inline
- (c) Virtual function

2. (a) Explain Encapsulation with suitable example.
(b) Write a program using class and object to take name of employee, designation and salary display them.
3. (a) Explain constructor and Destructor with suitable example.
(b) Explain polymorphism with suitable example.

Group-B

4. Write short notes on the following terms/ keywords :
 - (a)  Hub PPU Learn.com
 - (b) Repeater
 - (c) OSI Model
5. (a) Write difference between Internet and Intranet.
(b) Write difference between dial-up and leased line connectivity.
6. (a) Explain IEEE 802 model with neat diagram.
(b) What is E-commerce? Write advantages of E-commerce.

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(2)

Group-C

7. Write short notes on the following terms/keywords:
- (a) Auxiliary Memory
 - (b) Synchronous and Asynchronous Data Transfer
 - (c) Cache Memory
8. (a) Explain I/O interfaces with diagram.
- (b) Explain Isolated versus memory-mapped.
9. (a) Explain I/O processor with a labelled diagram.
- (b) Write difference between Associative and Virtual memory.

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