Degree (Part-II) (Vocational) Examination, 2022

(Honours)

INFORMATION TECHNOLOGY

[Paper : Fourth]

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

Time : Three Hours]   [Maximum Marks : 75

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.

Group - A

1. Write short notes on the following :

   (a)   Encapsulation

   (b)   Static function

   (c)   Void pointer

2. (a) Define the constructor and its types.

   (b) Discuss the function overloading with suitable example.

3. (a) Define the friend function with suitable example.

   (b) Define the pure virtual function.

Group - B

4. Write short notes on the following :

   (a) Topology

   (b) Bridge

   (c) URL

5. (a) Define base and broad transmission.

   (b) Discuss the advantage of e-commerce.

6. (a) Describe the architecture of ATM.

   (b) Define Bit Map Protocol.

Group - C

7. Write short notes on the following :

   (a) ALU

   (b) I/O Processor

   (c) Virtual memory

8. (a) Define synchronous data transfer mode.

   (b) Explain the memory hierarchy.

9. (a) Describe the page table.

   (b) Explain the page replacement techniques.

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