

4005-03

Total Pages : 4

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

(Honours)

INFORMATION TECHNOLOGY

[Paper : Third]

[PPU-D-II-(H)-IT-3]

Time : Three Hours]

[Maximum Marks : 75

Note : Candidates are required to give final 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 terms/keywords :

- ~~(a)~~ Simple queue
- (b) ADT
- ~~(c)~~ Pointer

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(1)

[P.T.O.]

2. (a) What is doubly queue? Write a function using array to delete from rear-end and insert from front-end.

(b) What is Tree? Explain types of tree.

3. (a) Write some applications of STACK.

(b) Write a function to create and insert data in Binary Tree.

Group-B

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

(a) Invertors

(b) Universal NOR Gate

(c) XOR

5. (a) Discuss Adders with block diagram.

(b) What is flip-flops? Explain.

6. (a) Write some basic postulates of Boolean Algebra.

(b) Discuss encoder and decoders with example.

Group-C

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

(a) Kill

(b) PS

(c) Who

8. (a) Explain architecture of Unix/Linux System.

(b) Explain background processing to manage multiple processes.

9. (a) Write any five file related commands of UNIX/LINUX.

(b) Explain Data Blocks in detail.

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