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Total Pages : 4

[PPU-D-I(H)-IT-2]

Degree (Part-I) Examination, 2024

(Vocational)

INFORMATION TECHNOLOGY

[Paper : Second]

Paper Code : 400502

Time : Three Hours]

[Maximum Marks : 75

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

Group-A

1. (a) Discuss candidate key with suitable example.
(b) Discuss 1-NF with suitable example.
2. Write short notes on the following terms/keywords :
(a) DDL, DML

400502/560

(1)

Turn Over

- ~~(b)~~ Generalisation
- ~~(c)~~ Specialisation
- 3. ~~(a)~~ Write advantages of database management system.
- ~~(b)~~ Discuss three views and schemes of DBMS

Group-B

- 4. ~~(a)~~ Discuss preemptive scheduling in details.
- ~~(b)~~ Write requirement of OS and important functions.
- 5. ~~(a)~~ Discuss types of OS in briefly.
- ~~(b)~~ Discuss the mechanism of deadlock and prevention technique.
- 6. Write short notes on the following terms/keywords :
 - ~~(a)~~ Process states
 - ~~(b)~~ FCFS
 - ~~(c)~~ SJF

400502/560

(2)

Group-C

7. (a) Write difference between Unijunction and photo transistor.
- (b) Discuss RC-integrators and differentiators.
8. Write short notes on the following terms/keyword :
- (a) Capacitor
- (b) Insulator
- (c) Code types
9. (a) Discuss types of resistance briefly.
- (b) Discuss some characteristics of BJT.

THE END