

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

PDCA-393

Post-Graduate Diploma Course in Computer Application Examination, 2021

Paper - PGDCA-104

(Operating System)

Time : 1½ Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

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(1)

PDCA-393 P.T.O.

Section–A

2 each

1. (i) What is Process states ?
- (ii) What is layered structure ?
- (iii) What do you mean by pre-emptive ?
- (iv) What is Turnaround ?
- (v) What is critical section problem ?
- (vi) What is Avoidance ?
- (vii) What is memory management ?
- (viii) Describe Cal command ?
- (ix) Describe Cd command ?
- (x) What do you mean by address space ?

Section–B

3 each

2. Explain system call.

Or

Explain SJF.

3. Explain CPU Scheduling.
4. Explain Avoidance.

Or

Explain Semaphores.

5. Explain FIFO.

Or

Explain Directory structure.

6. Explain users and groups.

Or

Explain shell variables.

Section-C

5 each

7. Explain Threads.

8. Explain Round Robin Scheduling.

9. Explain Recovery from Deadlock.

10. Explain Virtual Memory Management.

11. Explain file permission.