Roll No. . 6.201)00039

(2102)

Time: 3 Hours

Total No. of Questions: 9] [Total No. of Printed Pages: 4

BCA (CBCS) RUSA Vth Semester Examination

3996

OPERATING SYSTEM BCA-0501

Time: 3 Hours]	[Maximum	[Maximum Marks : 70	
Note :- Question No. 1	of Part A is compulsory.	Select one	

Part-A

question each from Parts B, C, D and E.

(Compulsory Question)

		그리고 있는 사용하는 경우 사용 등 사용하는 것은 사용을 가는 사용하는 것이 없는 것이 없는 것이 없었다. 그렇게 되었다면 그 것이 없는 것이 없는 것이 없는 것이다.
1. (A)	(i)	What is GUI ?
	(ii)	In internal memory of fixed size partition,
		the unused space is called
	(iii)	With multiprogramming is used productively.
		(a) Time (b) Space
		(c) Memory (d) All of these
C-76	8	(1) Turn Over

(iv) The interval from the time of submission	(viii) Operating System keeps the files in a
of a process to the time of completion is	(ix) By Operating System, the resource
termed as :	management can be done via :
(a) Waiting time	(a) TDM
(b) Turnaround time	(b) SDM (c) Both TDM and SDM
(c) Response time	(d) None of these
(d) Throughput	(x) Circular wait condition can be prevented by
(v) SRTF is known as	(B) Answer the questions (25 to 50) words of
(vi) Which of the following is deadlock	4 marks each :
avoidance algorithm ?	(i) Single and Multiuser Operating System
(a) Banker's Algorithm	(ii) Banker's Algorithm (iii) Swapping
(b) Round Robin Algorithm	(iv) Realtime Operating System
(c) Elevator Algorithm	(v) Internal Fragmentation 4×5=20
(d) Karm's Algorithm	Part-B (Unit-I) 10 cacl
(vii) acts as a layer between hardware	What is Operating System ? Discuss various characteristics of an operating system.
and user program.	C-768 (3) Turn Ov
768 (2)	生命(原語を)と)とうだらん

- 3. Discuss the following Operating System:
 - (i) Time sharing
 - (ii) Batch processing
 - (iii) Single user

Part-C (Unit-II)

10 ea

- 4. What is PCB? Discuss various functions performed by PCB.
- 5. What is difference between preemptive and non-preemptive scheduling algorithm? Discuss SRTF in detail.

Part-D (Unit-III)

10 eac

- 6. What is Demand Paging? How is it different from simple paging?
- 7. Discuss various memory management techniques in detail.

Part-E (Unit-IV)

10 each

- 8. What is File? Discuss various operations of file.
- 9. Discuss free space management in detail.

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