(i) Printed Pages : 2

 (ii) Questions :9
 Sub. Code : 0 9 4 0

 Exam. Code : 0 0 3 0

Roll No.

Bachelor of Computer Applications 4th Semester 1059

## OPERATING SYSTEM CONCEPTS AND LINUX Paper : BCA-16-404

#### Time Allowed : Three Hours]

Maximum Marks: 65

Note :— Attempt one question each from Sections A to D. Question No. 9 (Section E) is compulsory. All questions carry equal marks.

### SECTION-A

- What is Process ? Explain various process states with diagram.
   13
- Define Operating System. Compare and contrast parallel systems and distributed systems.
   13

#### SECTION-B

- 3. What do you mean by demand paging ? Discuss various page replacement algorithms. 13
- What is Deadlock ? Explain necessary and sufficient conditions for deadlocks.
   13

#### SECTION-C

- What is Linux ? Explain any five commands of Linux with proper syntax.
   13
- What do you mean by redirection ? Explain its use in Linux with examples.
   13

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[Turn over

# SECTION-D

7.	Wh	at is backup? How backup can be taken in Linux? Exp	olain
	with	n examples.	13
8.	What do you mean by vi editor ? Explain features of vi ed		itor.
	Raiteber at Computer try distribution? Screenister		13
		SECTION—E	
	100	(Compulsory Question)	
9.	Write short notes on the following :		
	(a)	ps command	3
	(b)	grep command	2
aat	(c)	Multilevel feedback queue scheduling	2
	(d)	Virtual memory	2
	(e)	Environment variables	2
	(f)	Kernel.	2
	isfetc	Define. Operating Systemu Compare and obstrast panelle	
		and distributed systems.	
		SROTITS-28	
		What do you mean by demand puping ? Disona wark replacement algorithms.	
1600) 8 (		What is Daudlook ? Explain accessive and sufficient to for deadlooks.	
		SECTION CH	
100		What is Limm? Explain angel of Science of Limitore's	
		What do you mean hypedirection 'IT voluin its use in its	
		examples.	

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