Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV(New) • EXAMINATION - WINTER 2016

Subject Code:2140702 Date:23/11/2016

Subject Name:Operating System Time:02:30 PM to 05:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.

C) Pages

- 2. Make suitable assumptions wherever necessary.

Q.1	Short Questions (1 Mark for each)				
	1	Which one is not Operating Syste A) DOS C) Windows	em? B) LINUX D) ORACLE		
	2	In producer-consumer problem, when buffer status is partially empty has to wait			
		A) ProducerC) None	B) Consumer D) Both		
	3	Operating System do not provide A) Graphical User Interface C) Input-Output Operation	B) Error Solution		
	4	Process termination in Operating A) Quit() C) Close()	System does by B) Exit() D) None of the Above		
	5	If the resources are always preem A) Deadlock C) System Crash	ppted from the same process, can occur B) Aging D) Starvation		
	6	As per banker's algorithm if A (1,5,3,2) then new available resource is not granted C) Request is granted	Allocation (1,3,5,4), Need (1,0,0,2), Available arce is B) (2,8,8,6) D) Both B & C		
	7	The Basic Input Output System (I A) ROM C) CPU	BIOS) resides in B) RAM D) Memory Cache		
	8	The keeps state informatio A) CPU C) Kernel	on about the use of I/O components. B) OS D) Shell		
	9	Which of the following is a strong A) 19thAugust88 C) P@ssw0rd	g password? B) Delhi88 D) !augustdelhi		
	10	is a unique tag, usually a A) File Identifier C) File Type	number identifies the file within the file system B) File Name D) None of the Above		
	11	Logical memory is broken into bl A) frames	locks of the same size called B) Backing Store		

D) None of these

turnaround time?						
Process	Arrival Time	Burst Time				
P1	0	6				
P2	1	4				
P3	3	5				
P4	5	3				

OR

How to Organize Files by Index? **Q.5** 03 Explain following Commands in UNIX **(b)** 04 1) man 2) finger 07

- Define following terms. (c)
 - 1. Throughput
 - 2. Waiting Time
 - 3. Turnaround Time
 - 4. Response Time

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- 5. Granularity6. Short Term Scheduler7. CPU Utilization
