



2nd Mid Term

Operating-System-Spring-2022

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Chiniot-Falsalabad Campus

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National University of Computer and Emerging Sciences

PAST School of Management Chiniot-Faisalabad Campus

Question = 1 Complete the following code that creates 5 child processes and waits until

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Benefits:	- while Bacco id that not collinged	

oylear Pracel Parail Proces Larce la Avoidance of Zombie Processes. ... inoke

Question # 5: Specify Three ways of Implicit Threading and explain

[Marks:3+2=5]	my I nee ways of Impli	icit Threading and explain one with example.
1. Legendais	Blch	
Name of any one:	Ada	THE RESERVE OF THE PARTY OF THE
Explanation:	- John	
***************************************		Slidel (Deloid Medioned)
	3	

Question # 6: Explain what is named pipes and ordinary pipes with the help of comparison. Provide the procedural steps/ code of communication between two

processes using ordinar	y pipes? [Marks:2+2+6=10] - Low H. W. Min Shall
Named Pipes:	
	Paral cild vilationshi I / 1 Brond
	topul Child Williamsky
Ordinary Pipes:	1072249 F27-019 In.
	Paral Crild Vilations She + 12 (2003) Set the file descriptor Pdfs[1]. Pdfs[6] Create Process.
	to Parcello
Procedural Steps:	Crack on C. T. Police In 1
Step 1:	To anila tats to the
	Set for a de applianate end of
	close One and
	Set for child Paterial and of [] Close one and of allowake and of []
Step N:	and dry Run the code of
No. of Concession, Name of Street, or other Persons, Name of Street, Name of S	and dry Run the cours "

Question # 7: Take an example "Hello Ali I am Alino" and dry Run the code of Producer Consumer Problem by First writing the code/Algorithm? [Marks:

Producer is Aliga: item neal Produces Consumer is Ali: int next consumed.

Producer is Aliga: item neal Produces Consumer is Ali: int next consumed.

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while (Ivve). Buffer Size=cout. Sixe=cout. Si Page 4 of 5

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In = (Im 1) 1 Buy	Fee. Size ant- fout 1) & Buffer Size	
	1, 4 / 1 /	
y RUN:	out = (out 1) 9. Buffer-size	
eration 1 Producer:	Flott.	
eration 2 Producer	No. 10	
teration 3 Producer:	THE ALL	
teration 4 Producer:	LIGHT AND I	
teration 5 Producer:	Hello Ali & and Alina.	
	Hollo Ali I an Alika.	
	all all	
teration 1 Consumer:	Hello.	
teration 2 Consumer:	Ali.	
teration 3 Consumer:		
Iteration 4 Consumer:	CONC. As	
Iteration 5 Consumer:	alea	
	the state of the same scheduler draw the	
Juestion # 8: Differentiate	e medium-term scheduler and short-term scheduler draw the	
lock diagram how it work	1 Janes of Multilastoment	9
. r. T. Cabadalan	TOMER GETLER OF WHITTINGS	1
Medium Term Scheduler:	1 60 may 9 1 11 10 Cl	
Pertially	Sweet and the mount	
+	che bounds.	
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Block Diagram.	a ken	
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	A CONTRACTOR OF THE PARTY OF TH	
Short Term Scheduler:	To bing hew Procelled	
	o bing her her her	
Block Diagram:		
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	vec slides Book	
	Good to Ougstion-	
	to be not diffill by Arthur	
	The Greatest gift is not agrain to Com-	
	The Greatest gift is not afraid to Question— Ruby Dee-	

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