

IV Semester B.A./B.Sc. Examination, May/June 2018 6 (6) 421(CBCS) (Semester Scheme) (F+R) (2015-16 and Onwards) (depend and later and Line System and Line Representation of the computer of t

Operating System and Unix gnizu tnemevom 17) a) Explain salient features of unix . 70 : syraM ,xaM filter commands. Time: 3 Hours Instruction : Answer all the Sections. each of each of the sections of the sections of the sections. .b) Explain different file related commands in unix with syntax and SECTION - A I. Answer any ten questions. Each question carries two marks b nislax (10×2=20) b) Write a shell script to reverse a given number ar? pnilooge at tanW (1 2) What is semaphore? 20) a) Explain the different looping statements in unix (2) and (3) What are the necessary conditions for deadlock? 4) What is dynamic linking? 5) What is bit-vector? 6) What is paging? 7) What is a shell? Name the types of shell. 8) What are read-only variables? Give example. 9) What is the use of expr command? Give example. 10) What is the use of fork () function in unix? 11) Explain nohup command. 12) Write the syntax of if-else-if with an example. SECTION - B

. Answer any five questions. Each question carries ten marks. (5×1)	0=50
13) a) What are the functions of operating system? Explain.	5
b) What is a scheduler? Explain the different types of schedulers.	5
14) a) Explain Shortest-Job-First-Scheduling (SJF) algorithm with example.	. 5
b) Write a short note on swapping.	5
15) a) Explain deadlock avoidance with an example.	5
b) Briefly explain segmentation.	5

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16) a) Briefly explain file protection. msx3 52.8\ A.8 19129m92 VI b) Consider the track request in disk queue [98, 183, 37, 122, 14, 124,	5
65, 67], head starts at position 53. Explain and compute the total head movement using SSTF. metal System and compute the total head	5
17) a) Explain salient features of unix.	5
b) Explain filter commands.	5
18) a) Explain the types of process used in unix with examples to the types of process used in unix with examples to the types of process used in unix with examples.	٠.
b) Explain different file related commands in unix with syntax and example. (4-	+6)
Answer any ten questions. Each xinu ni sequt eldairav trenetible nialqx3 (a (e120)	
b) Write a shell script to reverse a given number and check whether it is palindrome or not. (4-1)	+6)
20) a) Explain the different looping statements in unix.	
b) Write a shell script to count the number of vowels in a given string. (5-	+5)
5) What is bit-vector?	
6) What is paging?	
7) What is a shell? Name the types of shell.	
8) What are read-only variables? Give example.	
9) What is the use of expr command? Give example.	i Estat P
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