

224/1301 3 Day. 1 Ser-Track (SCLENIE MOC'10 50) Z 100 5 the number is Armstrong or not. Write a shell script to check whether spector dit schell script first: और नारण Armistrong राखा का जनक नरीका Write a shell script to find DCD (least होंगे माधान मा ना के विशासका di shell occipt common divisor, of two numbers. Write a shell script to display the shell script Set; multiplication table of any number. What is virtual memory 2 What are the নিকোন সংখ্যা পুল্মটোঝ প্রকান কনিবলৈ এটা Virtual memory is 1 88 1 88 West Ships advantages of virtual messery? Answer easy three of the following questions: विज्ञान विभिन्न क्षा ज्ञान विचार of Define process and thread. What are the advantages of intplementing threads in over space? What are the disordentiages? See Spack or from Season 21 (b) Indeely explain and two non-pre-acted daing algorithm Œ Process on thread a sign from their square in thread means well affected in Square for the control of the contr c) Write a shell early to occupt a login name if not a valid login name display message "toyabid login name". Login came to sheet, on shell script shell togin many by ago, "Invalid togin name" of sections. Agestitute oper serv Asses of C. Noether's Ass 111 Celings Mems Shot on OnePlus

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1. Ans

(a)

(b)

(c) Da

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- ____ is a non-preemptive scheduling algorithm. (Fill in the blank) ___ এটা non-preemptive scheduling algorithm. (थानी ठाँहे প्राप करा)
- ____ command is used to change the access permissions and the special mode flags of file. (Fill in the blank) আদেশ ব্যবহাৰ কৰি ফাইলৰ access permissions অৰ the special mode flag বোৰ সলনি কৰিব পাৰি। (খালী ঠাই পুৰণ কৰা)
- Define any four of the following terms: $2 \times 4 = 8$

যিকোনো চাৰিটা পদৰ সংজ্ঞা লিখা ঃ

- Resource abstraction
- Multiprogramming
- Real time system
- Process
- Process modes
- Thread

- (g) System call
- (h) Paging
- Answer any three of the following questions:

যিকোনো তিনিটা প্ৰশ্নৰ উত্তৰ লিখা ঃ

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- What are different types of operating system? Give brief introduction of each. বিভিন্ন প্ৰকাৰৰ অপাৰেটিং চিষ্টেমবোৰ কি কি ? প্ৰতোকৰে চমু বিবৰণ দিয়া।
- (b) What are the basic functions of an operating system? অপাৰেটিং চিষ্টেমৰ মৌলিক কামবোৰ কি ?
- Give brief description of any two system যিকোনো দুটা system call ৰ চমু বিবৰণ দিয়া। calls.
- (d) What is shell? Write the syntax of loops used in shell script. Shell কি ? Shell script ত ব্ৰহ্মৰ হোৱা loop বোৰৰ syntax লিখা।

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by Controller of Examination Vitravinu University Dr.D.Talukdar OKTO

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Plus 3 (Sen-3/CBCS) CSC/TCA/TIT (HG/HC//G 18 Shot on On Powered by Trip

0 Time sharing operating system allows the user to perform more than one task at a time, each task getting the same amount of time to execute.

(State Thue or Folse)

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Time sharing operating systems ব্যৱহাকর্মীত হাত সময়তে একটিত কা করি নিয় আৰু প্রতিটো কর্ম সম্পন্ন ক্রিবলৈ নাক্রিয়ার সময় পায়।

E ্তি স্থান বিশ্ব কৰি স্থানী বিশ্ব কৰি স্থানী । বিশ্ব কৰিব কৰিব সংখ্যান Each process has its own address space. (Since True or False)

(3)

All the threads in a process share a common address space.
(State True or Faise)
এই হচ্ছেৰ স্থলো thread a স্ভিনীন address space কৰেৰ কৰে। (তম কে ক্ষতা নিক)

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First Come First Serve scheduling is primarily used for interactive systems. (State True or False)

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Interactive system ই সাধাপতে First Come First Serve scheduling ব্যৱহ যা। (৩৮ নে হণ্ড নিং)

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99 Scenetizers segmentation and puping are combined to provide a two-dimensional victual memory.

কৈইবাৰ exprentation তাৰ paging তৈলত কৃষি two dimensional virtual memory তাল কৰা তা।

E Degree of multi-programming is less in food partitioning system (such partitioning system). Fixed partitioning system's multi-programming a sun set set (0% OF MOS (Set)

is a lightweight process.
(Fill in the blank)

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is a popular method of virtual enemory management, [81] in the Hankl हा virtual memory management⁴

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OPTION - C

COMPUTER APPLICATION

Paper: CSC-HG-3036/CSC-RC-3016/TCA-RC-3016 /TCA-HG-3016

(Operating Systems)

Answer either in English or in Assamese.

 Answer any seven the following questions as directed: 1×7=7

তলত নিয়া প্ৰশ্নবোৰৰ *যিকোনো সাওটাৰ* নিৰ্দেশানুষায়ী উত্তৰ লিখা ঃ

- (a) Operating system is an application software. (State True or False)
 - Operating system এটা application software (ওচ নে অওচ লিখা)
- (b) _____ is the system call to create a new process in POSIX.

(Fill in the blank)

POSIX ত নতুন প্ৰছেচ তৈয়াৰ কৰিবলৈ
_____system call লাগে।

(थानी ठांहे भूवण रुवा)

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