Assignment No 2

Spring 2021 CSE-204 Operating System Submitted by: Ashfaq Ahmad Registration No: 19PWCSE1795

Class Section: B

"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Student Signature: _____ Submitted to: Prof: Tariq Kamal June 16, 2021

Department of Computer Systems Engineering University of Engineering and Technology, Peshawar

Paye (1) Answer No 1: a Context Switching, and uses Compraine Horess Strong Stute process Can be restored and resume execution at later point the allow morphe process to shire a and U an Feature A multitasking Sperating System. in Context 05 the Then it only has to hose Registers who tasking Inc. wish not Saved erre procedure (n o Usval In a non-precomptuely Convention. multi-fasteing permet, taste surferer only take place In explicit Cells to the Surfaher the Gernel has Kernel! the to Save only Centert: Sygnore there w Instance Hoating

Downt

3

Systems does not ore them the "Canunical answer" is
the "Canunical answer" is
to "Surar all aspects of
processor State unich pertern
to a task any register or
other processor State unich is
not sured and vestived unich or a given tast appear to spor temorry change ratue.

Justance of MIPS, there we "Kernel Negristers" Callet E K1. XX 1-1-1-12 W istelliged and inside Samuel Struck



trismer - NO + 2: 40 H quie is Censist at that are the greve unu 2 veves multiple want packets Ce en anjors Hiple-Input



How it related to PCB:
The queue also stree PEB The Queue also stree PEB The Same State When PCB need Same Import and Output for the Speration of False these Speration from 10 and READY queue
Flow Diagram.
Job queue Ready >/ CPU / termination
(Vo) waiting (Event waiting)



Answer NO -3: D/7 b/w Asymmetric and symmetric multiprocessing Asymmetric multiprocessing: D'en asymmetric multiprocessing the processor are not treated equally. 3) Tasles of spending System one done by master processor. 3) no Communication by w processors as they Confined by the master processor y In asymmetric multi-processing, process are master-state 5) Asymmetriz mutti-processing system are cheaper B Asymmetric multiprocessing System are earsen to Dosign.



