CLASS TEST-I (Summer 2017) B. Tech. Third Year

Course:Operating System and Design **Code**: CSU 602 **Time**: 1 hrs. **Marks**: 15

Solve any Two.

Q1.Define operating System from User View and System View. Describe function of operating System. **5M**

Q2.Draw and illustrate UNIX System Structure. **5M**

Q3. What is the purpose of System Call? Illustrate system call with example. **5M**

Solve the following **5M**

Consider the following set of process with length of CPU burst time given in milliseconds

Process	Burst time	Arrival time	priority
P0	5	0	4
P1	2	2	2
P2	4	4	1
P3	6	6	3

Draw Gantt Chart using SJF, Priority and Round Robin (Quantum = 2ms) and Find WT and . TAT of each Process

GOVT. COLLEGE OF ENGINEERING, AMRAVATI

Department of Computer Science and Engineering

CLASS TEST-I (Summer 2018) B.Tech . 6th Semester

Course: CSU602 Operating System and Design Time: 1 hrs. **Marks**: 15

Solve any Two each question carries 5 marks

Q1. Explain the layered structure of Linux operating system by giving typical operations and the objects that are operated in each layer

Q2. What is system call? How it is differ from API? Give suitable example of system call and API.

Q3. What is thread? What are benefits of thread? Explain multithread models in brief.

Solve

Q4. Consider the following five processes **5M**

Process	P0	P1	P2	P3	P4
Arrival Time	2	4	8	6	0
Burst time	5	7	6	2	8

Compute and prepare comparison chart for waiting time, Turn Around Time of each process for FCFS, SJF, RR(Q=2)

Problems, Schedulers, MSDOS - UNIX //