

GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC. – SEMESTER 1 (NEW SYLLABUS) EXAMINATION- WINTER 2020

Subject Code: 1110204**Date: 08-03-2021****Subject Name: Operating System (OS)****Time: 10:30 AM TO 12:30 PM****Total Marks: 50****Instructions:**

1. Attempt any FIVE questions out of EIGHT questions
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) Explain OS services.	05
(b) Explain Disk Cleanup and Backup in detail.	05
Q.2 (a) Show the working of antivirus in brief.	05
(b) Explain PCB.	05
Q.3 (a) Explain SJF Scheduling algorithm with example.	05
(b) Explain Difference between Internal and External Fragmentation	05
Q.4 (a) Explain Round Robin Scheduling algorithm with example.	05
(b) Explain concept of Demand Paging in memory management.	05
Q.5 (a) Explain concept of virtual memory with example.	05
(b) State advantages and disadvantages of time-sharing system.	05
Q.6 (a) Explain LRU page replacement strategy with example.	05
(b) Explain functionalities of RTOS.	05
Q.7 (a) Write a shell script to find maximum out of three numbers.	05
(b) Explain features of Symbian OS in detail.	05
Q.8 (a) Explain following UNIX Commands: pwd, cd, mkdir	05
(b) Explain iOS in brief.	05
