

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.VOC. –SEMESTER 1(NEW SYLLABUS) EXAMINATION- WINTER 2018

Subject Code: 1110204

Date: 19-01-2019

Subject Name: Operating System

Time: 10:30 AM to 12:30 PM

Total Marks: 50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) What are the major functionalities of Operating System?	05
(b) Define “compiler”, “interpreter” and “assembler” terms.	05
Q.2 (a) How many Processor management/ Processor scheduling are available within OS? Explain briefly.	05
(b) What is the need of memory management? What is memory partitioning?	05
OR	
(b) Explain Placement algorithm in memory management.	05
Q.3 (a) What is the need of OS?	05
(b) List down different types of OS-interactive.	05
OR	
Q.3 (a) Define Process. Explain Process Management.	05
(b) Explain Paging technique in memory management with diagram.	05
Q.4 (a) What are the functionalities of Distributed Operating System?	05
(b) List down the special features of mobile OS-Android.	05
OR	
Q.4 (a) What is anti-virus? Explain in brief.	05
(b) What are the functionalities of Real-Time Operating System?	05
Q.5 (a) Explain the process of “Disk cleanup” and “Disk Defragmenter” in brief.	05
(b) Define terms “field”, “Record” and “File” in file management.	05
OR	
Q.5 (a) Explain Symbian OS and IOS OS functionalities in brief.	05
(b) What are the tools available for file and compression management?	05
