

This document is a part of Main Course File

Document No.: CFM – 8



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY
MANAGED

N. G. PATEL POLYTECHNIC

INFORMATION TECHNOLOGY

FORMAT FOR ASSIGNMENTS

Course Name (With Code): Introduction to IT System(DI01016021)

Semester / Year: Fifth/Third

Assignment Number: 2

Assignment CO Number: DI01016021

Sr. No.	Questions related to Course Outcomes
Part – A	Questions carrying 3 Marks
1	What is an Operating System (OS) and why is it essential for computer systems?
2	List three functions of an operating system.
3	Define batch processing in the context of operating systems.
Part – B	Questions carrying 4 Marks
1	Explain the differences between user mode and kernel mode in an operating system.
2	Discuss the main components of the Linux operating system architecture.
Part – C	Questions carrying 7 Marks
1	Discuss the architecture of the Linux operating system in detail, including its components and how they interact with each other. Explain the significance of the kernel in this architecture.

Prepared By: J.J.Dhimar

Signature of Head of Department