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V Semester – SCSA1501 – Operating Systems

Assignment I

Fill in the Blanks:

1)	The operating system is a type of software.
2)	OS supports a program to run on more than one CPU at a time.
3)	provides interface between a process and the operating system.
4)	The data structure used by computer operating systems to store all the information
	about the process is called
5)	is a technique by which a device manager keeps the slower I/O
	devices busy when a process is not requiring I/O operations.
Short	Questions:
1)	List the services of system components in OS.
2)	What is a virtual machine?
3)	Explain the working principle of system call.
4)	Explain the states in Process Life Cycle.
5)	Explain buffering and its types.

Long Questions:

1) Explain the concept of thread and multithreading in detail.

Instructions:

- 1) Use A4 sheets for writing your assignments
- 2) Scan and send your assignment in any format preferably pdf and upload correct document
- 3) Save your assignment in file name (Register Number_Name) eg: (39110018_AARUSH)
- 4) For fill ups just write the answer alone