

	Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	2018-19 EXM/P/09/01
Year and Program: 2018-19	School of Technology	Department of Computer Science & Engineering
Course Code: CST210	Course Title: Operating Systems	Semester - IV
Day and Date <i>Saturday</i> Sat.25/05/2019	End Semester Examination (ESE)	Time: <i>10:30 am to 1:30 pm</i> Max Marks: 100

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.

Q.1	Attempt ANT TWO	Marks	Bloom's Level	CO
	a) Define operating system. Give services of operating system.	09	L1	CO1
	b) Distinguish between serial programming and multiprogramming in detail.	09	L4	CO1
	c)) Describe the following i) Time sharing systems ii) Real time operating systems	09	L2	CO1
Q.2	Attempt the Following			
	a) Explain with diagram different types of schedulers.	09	L2	CO2
	b) Discuss process state transition diagram in detail.	09	L2	CO2
	OR			
	b) Define semaphores. Give its implementation in detail.	09	L1	CO3
Q.3	Attempt any Two			
	a) Explain dining philosopher problem as a classical problem of synchronization.	08	L2	CO4
	b)) Demonstrate the following Linux commands i) cat ii) mkdir	08	L3	CO4
	c) Describe Linux file system in detail.	08	L1	CO4

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Q.4 Attempt the following

- a) Explain locate command in detail

08 L2 C04

OR

- a) Shows find command with its various options. .

08 L3 C04

- c) Illustrate SSH in Linux.

08 L3 C06

Q.5 Attempt ANY TWO

- a) Describe DHCP? Give it's configuration in Linux.

08 L2 C06

- b) Explain Network File System in detail.

08 L2 C05

- c) Discuss any four networking commands in Linux.

08 L2 C05

Q.6 Attempt any TWO

- a) Describe Linux Network namespaces in detail.

08 L2 C06

- b) Explain file Transfer Protocol in detail.

08 L2 C05

- c) Classify Domain Name System in detail.

08 L4 C04

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