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GOVRERNMENT POLYTECHNIC MUMBAI

EVEN TERM: 2024-25

UNIT TEST : I

PROGRAMME: INFORMATION TECHNOLOGY

COURSE NAME : Operating System   COURSE CODE:CO23109

SEMESTER:4TH   CLASS – SECOND YEAR

SHIFT : First Shift/ Second Shift   MAX MARKS: 20 TIME: 1 Hour

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Q1) Attempt the following   (3x2=06)

    a) Define Operating System.   (CO1,R)
    b) Define Process.   (CO2,R)
    c) Define PCB   (CO3,R)

Q2) Attempt the following   (4x2=08)
    a) Describe operating system components with neat diagram.?(CO2,U)
                OR
    b) Define kernel. What do you mean by user mode and kernel mode?(CO2,A)

    a) Explain process scheduling with neat diagram.   (CO3,U)
                OR

    b) Explain message passing system with neat diagram. (CO3,U)

Q3) Attempt any two of following   (3x2=6)

    a) State and explain operating system services (any three).   (CO2,U)
    b) Differentiate between layered and simple structure of OS.   (CO2,A)
    a) State and explain role of operating system (any three).   (CO1,A)

CO	R	U	A	TOTAL
CO1	2		3	5
CO2	2	7	7	16
CO3	2	8		10
TOTAL	6	15	10	31

--------------------- Best Of Luck ---------------------