Total No. OF Questions (04)

PRN No.	

Total No. of Printed Pages: 2

PAPER CODE	U124 - 335

May 2024 (ENDSEM) EXAM
F.Y.B. TECH. (SEMESTER - II)

COURSE NAME:
Introduction to
Linux and Shell
Programming

Branch: Computer Engineering
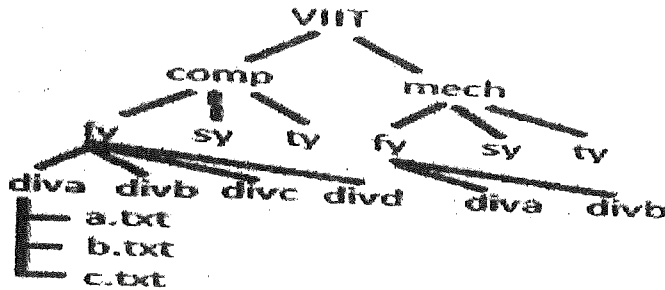
COURSE CODE:
CS12235

(PATTERN 2023)

Time: [1Hr. 30 Min]

[Max. Marks: 40]

Instructions to candidates:
1) Figures to the right indicate full marks.
2) Use of scientific calculator is allowed
3) Use suitable data wherever required
4) All questions are compulsory. Solve any one sub question from each Question 1 and 2 and any three sub questions each from Questions 3 and 4.

Q. No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) Differentiate between Linux and Windows Operating System	[5]	CO1	Understand
	b) Which functions are performed by Operating System? State and explain	[5]	CO1	Understand
Q2	a) Write script to read file name from command line and if file present display date time when that file is last modified	[5]	CO2	Apply
	b) Write script to read prn and name of student and write it to file. Append multiple writes.	[5]	CO2	Apply
Q.3	Directory Structure in a PC There is directory called viit in home, inside that there are two sub directories comp and mech, inside that there are three directories in each as fy, sy, ty. Inside comp/fy there are 4 directories diva, divb, divc, divd and inside mech/fy there are two directories diva, divb. Inside directory comp/fy/diva there are 4 files a.txt, b.txt, c.txt.			

	a) Write command to copy a.txt and b.txt to mech/fy/divb. Consider you are currently in directory mech	[5]	CO3	Apply
	b) Write command to delete directory diva in comp/fy. Consider you are currently in viit directory	[5]	CO3	Apply
	c) Write command to copy all files having extension .txt from comp/fy/diva to comp/fy/divb. Consider you are currently in directory comp/fy/diva	[5]	CO3	Apply
	d) Write command to copy file a.txt from diva directory to sy directory in mech and delete a.txt from comp/fy/diva	[5]	CO3	Apply
Q.4	A file contains person name, adhar number, city he belongs to, city he lives in, birth date(Format:dd/MM/YYYY), adhar update Date(Format:dd/MM/YYYY). All this information is saved with ,(comma) separation			
	a) Write and Explain command to change city he lives in to Mumbai for all entries in given file	[5]	CO4	Apply
	b) Write script to list all person names whose birth month is 05.	[5]	CO4	Apply
	c) Write command to display names of all persons order by adhar number	[5]	CO4	Apply
	d) Write script to list all person names whose adhar update year is 2024	[5]	CO4	Apply