PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMEBR 2023
(First Semester)

Branch- **COMPUTER APPLICATIONS**

LINUX ARCHITECTURE AND PROGRAMMING

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	A_____ is a typed character that has special meaning to the shell for connecting commands or requesting expansion. (a) Meta Character (b) Single Character (c) Dual Character (d) Prime Character	K1	CO1
	2	Identify a set of commands that are executed together within the current shell. (a) Kernal (b) Function (c) Mode (d) Process	K2	CO1
2	3	Which is the GNOME text editor that runs on the desktop? (a) Getit (b) Geetit (c) Gedit (d) Gett	K1	CO2
	4	The _____ command is the best command for searching the fi lesystem for fi les, based on a variety of attributes. (a) Mode (b) Function (c) Find (d) Search	K2	CO2
3	5	Which is a running instance of a command? (a) Process (b) State (c) Product (d) Mode	K1	CO3
	6	Which is used to perform actions over and over again until a condition is met or until all data has been processed? (a) Structure (b) Loops (c) Access (d) Program	K2	CO3
4	7	The _____ feature was created so that regular users could share their fi les and directories selectively with other users and groups. (a) DDL (b) ACL (c) DCL (d) AAL	K1	CO4
	8	Which enables many people to run many programs on the computer at the same time, with each person able to run more than one program? (a) Mutual tasking (b) Multitasking (c) Pre tasking (d) Post tasking	K2	CO4
5	9	Which service allows the local system to gather log messages delivered from a variety of components on the system? (a) syslog (b) sys (c) rsyslog (d) rsys	K1	CO5
	10	Identify the command which provides an FTP-like interface for traversing a remote fi lesystem and getting and putting fi les between the systems interactively. (a) sftp (b) sstp (c) stp (d) sfft	K2	CO5

SECTION - B (35 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Compare LINUX with other Operating Systems.	K4	CO1
		(OR)		
	11.b.	Examine the process of Command Line editing with examples.		
2	12.a.	Interpret the importance of chmod command. Give examples.	K5	CO2
		(OR)		
	12.b.	Assess on searching files with find command. Illustrate examples.		
3	13.a.	Formulate the concept of Listing process with PS command.	K6	CO3
		(OR)		
	13.b.	Estimate the difference between while ---do with until ---do loops.		
4	14.a.	Analyze working with Loadable modules with example.	K4	CO4
		(OR)		
	14.b.	Inspect on user add command with its options.		
5	15.a.	Evaluate the procedure to create LVM Logical volumes.	K5	CO5
		(OR)		
	15.b.	Determine the importance of checking system space.		

SECTION -C (30 Marks)
Answer ANY THREE questions
ALL questions carry EQUAL Marks   (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Elucidate on Connecting and Expanding command. Give examples.	K3	CO1
2	17	Inspect in detail on the Listing files and Directories with example.	K4	CO2
3	18	Explain on the process of Killing and Renicing processes. Give examples.	K5	CO3
4	19	Assess the graphical tools that available in Fedora.	K6	CO4
5	20	Determine the process to create a Single partition disk.	K5	CO5

Z-Z-Z   END