



**B.Tech V Semester Supplementary Examinations, June 2024**

**LINUX PROGRAMMING  
(IT)**

**Maximum Marks: 70.**

Date:01.08.2024 Duration: 3 hours

- Note: 1.This question paper contains two parts A and B.  
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.  
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.  
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

**Part-A**

All the following questions carry equal marks (10X2M=20 Marks)		CO	Bloom Tx
1	Define WC command with syntax.	1	L1
2	Define shell scripting?	1	L1
3	Define system call?	2	L1
4	Define symbolic link.	2	L1
5	Define getenv() function	3	L1
6	Define signal.	3	L1
7	Define FIFO with an example?	4	L1
8	Define semaphore	4	L1
9	Write the syntax of accept() function	5	L1
10	List the advantages of socket interface.	5	L1

**Part-B**

Answer All the following questions. (5X10M=50Marks)			
11	How to create, copying, moving deleting and soft link of a file in Linux with examples. [10M]	1	L2
OR			
12	Explain the responsibilities of a shell. [10M]	1	L2
13	Explain the following. [10M] a)chmod b)symlink c) mkdir d) rmdir	2	L2
OR			
14	Discuss the need and importance of lseek() system call with its relative merits and drawbacks. [10M]	2	L2
15	Discuss about orphan process and zombie process with example. [10M]	3	L2
OR			
16	Explain about signal() function. Differentiate the reliable and unreliable signals. [10M]	3	L2

17	Define FIFO with an example. List the advantages and drawbacks of FIFO. [10M]	4	L2
	OR		
18	Define message queue. Explain about APIs for messages. [10M]	4	L2
19	Explain socket system call for Connection oriented protocol. [10M]	5	L2
	OR		
20	Explain about Socket Address Structure. [10M]	5	L2