



Regulation R17

Subject code: 1P7EB & 1P7FB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech IV Year I Semester Supplementary Examinations, January 2023

LINUX PROGRAMMING

(Common to CSE & IT)

Maximum Marks: 70

Duration: 3 hours

Part-A

Answer all the following questions

(10x2M=20 Marks)

- 1 Define about kernel?
- 2 Define about linux?
- 3 Define a file.
- 4 Define chdir() function with example.
- 5 Define process.
- 6 Define sleep function.
- 7 Define FIFO?
- 8 Define msgctl function with syntax
- 9 Define shared memory.
- 10 Define fcntl system calls?

Part-B

Answer Any 5 questions.

(5X10M=50Marks)

- 11 Differentiate windows OS and Linux OS. [10]
OR
- 12 Define about Security by file permissions? [10]
- 13 Explain in detail about Linux file system structure? [10]
OR
- 14 Explain Kernel support for files? [10]
- 15 Explain the following with example [4+3+3]
a) process creation
b) process termination
c) process identification
OR
- 16 Explain about signal() function. Differentiate the reliable and unreliable signals. [10]
- 17 What are message queues. Explain with an example? [10]
OR
- 18 Explain about the system calls [4+2+2+2]
a) msgget b) msgsnd c) msgrcv d) msgctl
- 19 Explain the kernel support for shared memory. [10]
OR
- 20 Explain socket system calls for connection-oriented protocol? [10]

