

R17**Code No: 844AB****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, October/ November - 2020****LINUX PROGRAMMING****Time: 2 Hours****Max.Marks:75**

Answer any five questions
All questions carry equal marks

1. Write short notes on following:
a) test Command b) here Document c) Quoting d) Shell meta characters. [15]
- 2.a) Explain briefly about pipes and redirection with an appropriate example.
b) Write a shell script to find a given number is prime number or not. [15]
- 3.a) Write a program to demonstrate the use of fstat() function.
b) Define file. Explain in detail about the various files. [15]
- 4.a) Explain about file descriptors and i-node.
b) Write short notes on formatted I/O. [15]
5. Explain in brief the kernel support system calls for a process management. [15]
- 6.a) What is a signal function? Write and explain about the structure of a signal function.
b) Write about wait and sleep functions with example. [15]
- 7.a) What are named pipes? Explain in detail.
b) Write a program to demonstrate the function of a pipe. [15]
8. Write the system calls for Connection-oriented protocol and explain briefly. [15]

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