



QP CODE: 24803244



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Reg No : .....

Name : .....

**I.M.C.A DEGREE EXAMINATION, MAY 2024**

**Seventh Semester**

Integrated MCA

**Core - IMCA7C01 - LINUX OS AND SHELL PROGRAMMING**

2020 Admission Onwards

162B8410

Time: 3 Hours

Maximum: 75 Marks

**Part A**

*Answer any **ten** questions*

*Each question carries 3 marks*

1. Compare UNIX and Linux.
2. Describe the purpose of the -r option in the cp command when copying directories in Linux.
3. What is the purpose of the '>' symbol in Linux shell commands?
4. What is the use of continue statement in shell programming?
5. Write a note on parameter passing.
6. Write a program to check whether the given number is prime or not using while-do-done loop?
7. How to delete a group in Linux?
8. Write a note on creating file system.
9. Explain the role of file permissions in terms of file security.
10. What are the five basic modes for RPM command?
11. What is NFS?
12. What is a daemon in the context of computer systems?

(10×3=30 marks)





## Part B

Answer *all* questions

Each question carries **9** marks

13. a) Discuss the concept of Linux blocks.

OR

b) Explain the different file commands in Linux.

14. a) What is a shell in Linux? Compare the different shells available in Linux.

OR

b) How will you do parameter passing and arguments in Linux? Explain.

15. a) Explain the following commands with the important options: a) useradd                      b)  
usermod                                      c) userdel

OR

b) Write a note on managing groups in Linux.

16. a) How can you become a super user once you already logged into a regular user? and why?

OR

b) Write note on rpm packages.

17. a) Explain configuration of Telnet and FTP.

OR

b) Outline the main functions of Proxy Server(Squid)

(5×9=45 marks)

