## Indian Statistical Institute
## Documentation Research and Training Center

### MS in Library and Information Science
### Mid-semester Exam (I Semester)  (2017-2019)

#### Paper-5: Foundations of Computers and Information Technology

Answer any 40 questions.        All questions carry equal marks.
Total Marks: 40

Date: 13-09-2017                                   Time: 11.30 am to 1.00 pm

Mostly the questions are related to UNIX/Linux

1.   What is the full form of the command "pwd"?

2.   What command is used to get the processes running on system?

3.   What is the difference between "ls" and "ls -l" commands?

4.   Write all the redirection symbols.

5.   How to execute "*ls*" command inside vi editor?

6.   What command is used in vi editor to delete a line?

7.   How are devices represented in UNIX?

8.   What command is used to count the total number of lines, words, and characters contained in a file?

9.   What is the sequence of first 10 characters displayed as output of "ls -l" command?

10.  What command is used to remove files?

11.  What command is used to remove a directory?

12.  What is the command to untar and unzip the "file.tar.gz"?

13. Give an example of the command "mount".

14. In 'Free software', what is the meaning of 'free' according to Richard Stallman?

15. What command would you use to display the number of lines in a file?

16. In vi editor, what key you use when you intend input?

17. In vi editor, what key you use to come out of append mode?

18. What command is used to sort the lines a file in numerical order?

19. What command is used in vi editor to save the contents of a file?

20. What key is used in vi editor in order to find a string?

21. Give two examples of movie file formats.

22. In shell, what character is used as wild-card to match any number of characters?

23. What is the difference between ASCII and UNICODE?

24. What command is used to copy file1 to file2?

25. What command changes a file's group owner?

26. What command is used to display disk consumption of a specific directory?

27. What command creates an empty file if file does not exist?

28. What command is used to identify file type?

29. In the following, what does 'c' stand for? crw-rw---- 1 root tty 7, 1 Sep 6 08:45 vcs1

30. *In the following, what does 'b' stand for? brw-rw---- 1 root disk 8, 0 Sep 6 08:45 sda*

31. What is the difference between the commands "more" and "less" ?

32. What does "cat" command do?

33. Can you use vi editor to create or modify a binary file?

34. What is "sed" command?

35. What command you use to get help about the command "cp"?

36. Write the syntax of "cd" command to go to the home directory.

37. What is the difference between "home directory" and "parent directory"?

38. How do you rename file "new" to file "old"?

39. What is the difference between "absolute path name" and "relative path name"?

40. What command is used to change permissions of files and directories?

41. In what directory we find printers in the file structure?

42. What is the expansion of "ASCII"?

43. Give two examples of graphic file format? [!repeat question]

44. What is the home directory of a user called 'sam'?

45. If you use 755 with chmod command, what happens?

46. Explain the meaning of "chmod -R g-w file1".

47. What command you use to terminate the execution of a command?

48. What is the command to change your password?

49. For what purpose "ifconfig" command is used?

50. What is the use of "df -h" command in Linux?

51. If you are in the directory, "/home/sam/letters/personal", how do you go to "/home" directory using relative path name.

52. What is the use of "ping" command?

53. What character you use to separate command from arguments?

54. What command you use to see the hidden files?

55. What is a binary file?

56. Give two examples of Text format files

57. What is the command to join all lines in 'vi' editor?

58. Which organisation created UNIX operating system?

59. What is the expansion of the term 'pixel'

60. What is expansion of 'dpi'?