

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF IT & COMPUTER SCIENCE**  
**BCA/IMCA**

**2017–18Mid Semester Examination- practical**

**Semester: 4**

**Subject Code: (05101252/05301252)**

**Subject Name: (Operating System)**

**Date: (27/03/2018)**

**Time: (1hr)**

**Total Marks: 20**

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**Instructions: if any**

**SET-A**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

**a. Write a shell script to check if the number is greater than 5000.**

**(accept input through command line argument )**

**input: 2300      output: the number is less than 5000**

**b. Write a shell script to execute following commands**

- 1. Sort file abc.txt and save this sorted file in xyz.txt**
- 2. Give an example of : To execute commands together without affecting result of each other.**
- 3. Which command display version of the UNIX?**
- 4. How would you get online help of cat command?**
- 5. How to print "this is a three -line "**
  - 1. Text message"**

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**Instructions: if any**

**SET-B**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

**a. Write a shell script to execute following commands**

- 1. How would you display the hidden files?**
- 2. How delete directory with files?**
- 3. How to do interactive copying?**
- 4. How would user can do interactive deletion of files?**
- 5. Display the contents of the file text on the screen.**

**b. Write a shell script to sort a numeric file.**

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**Instructions: if any**

**SET-C**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

a. Write a shell script to check if the number is greater than 5000.

(accept input through command line argument )

input: 8900

output: the number is more than 5000

b. Write a shell script to solve the following :

Consider a case that if you are 18 or over you may go to the party. If you aren't but you have a letter from your parents you may go but must be back before midnight. Otherwise you cannot go.(take command line arguments)

input: 18 yes      output: you may go but must be back before midnight

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**Instructions: if any**

**SET-D**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

a. Write a shell script to check if the number is greater than 5000.

(accept input through command line argument )

input: 8900

output: the number is more than 5000

b. Write a shell script to display the welcome message according to time

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**Instructions: if any**

**SET-E**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

**a. Write a shell script to solve the following**

1. Takes a filename as an argument and checks if the file exists and is executable.
2. Displays all subdirectories in current working directory.
3. Sorts the alpha numeric file and displays its contents.

**b. Write a shell script that takes a filename from the command line and checks whether the file is an ordinary file or not. If it is an ordinary file then it should display the contents of the file**

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**Instructions: if any**

**SET-F**

**Q.1 Journal**

**[5] marks**

**Q.2 Perform the following in Linux**

**[15] marks**

**a. Write a shell script to solve the following :**

**Consider a case that if you are 60 or over you may join the club. If you aren't but you have a letter from existing member you may join but membership is limited for One Year. Otherwise you cannot join the club.(take command line arguments)**

**input: 55 yes**

**output: you may join but membership is limited for One Year**

**b. Write a shell script that accepts 2 filenames and checks if both exists; if both exist then append the content of the second file into the first file**