

# EXAMINATION QUESTION PAPER

PG-DAC SEPT 2021

Module Name : COP - OS

DATE: 21 /10 / 2021

Duration: 2 hrs.

Max. Marks: 40

---

## Instructions:

1. Login Zoom link with your Desktop with a camera and a mic.
  2. Enable the camera when asked for and share your screen as well – WHEN ASKED for it during the exam.
  3. Use Ubuntu/CentOS platform to write and test code snippets and run commands/utilities.
  4. Q1 is of 5 marks. Test the Output on terminal and submit the steps performed in text file format.
  5. Q2 is of 5 marks. Write all the steps involved to get the desired output in test file format.
  6. Q3 ,Q4 and Q5 is of 10 marks . Sample format of expected output is given for Q3 and Q4.
  7. Create a folder with your PRN number and put all questions & text files in it.
  8. Compress the folder in zip format. And submit this compressed zip file.
- 

1. Create a named pipe by calling mkfifo and redirect the systems's calendar(cal command) output to it.

(5 Marks)

2. If Page Reference string 7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, 3 with 4-page frames. Find number of page faults.

(5 Marks)

3. Create a shell script that asks for a file path and tells if the entered path is a file or a directory along with its numeric permissions.

Output example:

/etc/passwd File 700

/etc Directory 755

(10 Marks)

4. Create a shell script that takes username and displays the following output only if UID is greater than 1000

Output: Username <UID>

(10 Marks)

5. Write a program to create a Zombie process and display how zombie process can be stopped from getting created by using 'wait'

(10 marks)

\*\*\*\*\* ALL THE BEST!!!! \*\*\*\*\*