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EXAMINATION: JUNE - 2022
SEMESTER - V
Sub: Linux (BCA – 542-18/532/542)

Date : 27/06/2022   **Total Marks : 60**   **Time: 10.00 am to 12.30 pm**

Instructions:
1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1.   **Fill in the blanks.**   **(05)**

1. _____ directory contains configuration files in Linux?
   a) /etc/   b) /bin/
   c) /dev/   d) /root/

2. Process which terminates before the parent process exits is known as _____.
   a) Orphan   b) Zombie
   c) Child   d) sub

3. _____ one provide command interpreter environment?
   a) Kernel   b) Shell
   c) CPU   d) Hardware

4. _____ command is used to change a file's group owner
   a) cgrp   b) chgrp
   c) change   d) group

5. The _____ command is used to copy the files.
   a) cp   b) copy
   c) mv   d) cut

Q.2.   **State True/False.**   **(05)**

1. Under UNIX the key board is the default input device and the monitor is the default output device.

2. Unix is Multi Tasking & Multi Processing Operating System.

3. init is considered as the super daemon in Unix.

4. More command is used to show one page of output at a time.

5. pwd command displays user password.

Q.3. **Answer the following. (Solve any 5)**   **(10)**

    1. List the various shells used in Linux.

    2. What are the signals in Linux?

    3. State the purpose of swap file in Linux.

    4. List the special file permissions in Linux.

    5. Explain piping in Linux.

    6. What is use of /tmp directory.

Q. 4. **Answer the following in detail. (Solve any 6)**   **(30)**

    1. What is the Daemons in Linux?

    2. Explain head and tail command with example.

    3. What is RPM? What are the options of RPM?

    4. Explain su command with example.

    5. Write a procedure to create data partition in Linux?

    6. Explain run levels in Linux

    7. Explain the following commands with options and examples; a) df b) du

Q. 5. **Answer the following in detail. (Solve any 1)**   **(10)**

    1. Explain cp, mv, ls and rm commands with options and examples.

    2. Define process. Explain any four process states.

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