

B.Sc.(IT) Semester - 4 (CBCS) Examination**March/April-2026 [NEW COURSE]****Operating Systems Concepts with Unix / Linux(Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que. 1 (A) Answer the following questions. (03)

- 1) Definition of Round Robin.
- 2) Full form FCFS.
- 3) Definition Operating System.

Que. 1 (B) Answer the following questions: (Any Two) (06)

- 1) Explain SJN.
- 2) Explain Priority Base Preemptive.
- 3) Explain Types of OS.
- 4) Explain Features of OS.

Que. 1 (C) Answer the following questions: (Any One) (05)

- 1) Explain Function of OS.
- 2) Explain Difference Between Physical Memory and Virtual Memory.

Que. 2 (A) Answer the following questions. (03)

- 1) Give Definition: Telnet.
- 2) Full form of grep
- 3) List out Unix file systems

Que. 2 (B) Answer the following questions: (Any Two) (06)

- 1) Explain Cut, Paste, Join.
- 2) Explain Cat, Mv, Rmdir.
- 3) Explain Mount and unmount Command.
- 4) Explain Wall, news, finger.

Que. 2 (C) Answer the following questions: (Any One) (05)

- 1) Explain Chmod command in detail.
- 2) Explain Unix Features.

Que. 3 (A) Answer the following questions. (03)

- 1) Definition: Variables.
- 2) Definition: MAIL.
- 3) Full form: GNU.

Que. 3 (B) Answer the following questions: (Any Two). (06)

- 1) Explain PATH, HOME, LOGNAME
- 2) Explain if then fi
- 3) Explain for loop.
- 4) Explain test command.

- Que. 3 (C) Answer the following questions: (Any One) (05)
- 1) Explain until loop.
 - 2) Explain Open source and freeware in detail.
- Que. 4 (A) Answer the following questions. (03)
- 1) Full form of KDE
 - 2) Full form of GNOME.
 - 3) What is Window Manager.
- Que. 4 (B) Answer the following questions: (Any Two) (06)
- 1) Explain KDE Panel.
 - 2) Explain User Configuration.
 - 3) Explain Start Menu.
 - 4) Explain Startx Command.
- Que. 4 (C) Answer the following questions: (Any One) (05)
- 1) Explain GNOME Panel.
 - 2) Explain Install/Uninstall software.
- Que. 5 (A) Answer the following questions. (03)
- 1) Full form LDAP.
 - 2) Full form: FTP.
 - 3) Definition: WINE.
- Que. 5 (B) Answer the following questions: (Any Two) (06)
- 1) Explain Working with WINE.
 - 2) Explain DNS Services.
 - 3) Explain Web Services.
 - 4) Explain Samba Server.
- Que. 5 (C) Answer the following questions: (Any One) (05)
- 1) Explain Apache Server management.
 - 2) Explain Linux User Account and Password creation.
