

B.C.A Semester - 4 (CBCS) Examination**March/April-2024 [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 Question. (Only Three) | (03) |
| | <ol style="list-style-type: none">1. FCFS stands for...2. OS stands for...3. SJN stands for... | |
| Que-1(B) | Answer The Following Question. (Any Two out of Four) | (06) |
| | <ol style="list-style-type: none">1. Explain Real Time Operating System.2. Explain noncontiguous memory allocation.3. Explain Multi-programing OS.4. What is Contiguous Memory Allocation? | |
| Que-1(C) | Answer The Following Question. (Any One out of Two) | (05) |
| | <ol style="list-style-type: none">1. Write a note on Features of OS.2. Explain process life cycle. | |
| Que-2(A) | Answer The Following Question. (Only Three) | (03) |
| | <ol style="list-style-type: none">1. is the command used for making new file.2. is the command used for changing owner for file and directory.3. is the command used for delete file. | |
| Que-2(B) | Answer The Following Question. (Any Two out of Four) | (06) |
| | <ol style="list-style-type: none">1. Define commands head, tail.2. Explain file & directory permission in Unix3. Explain grep, fgrep and egrep.4. Write in brief: Types of Files. | |
| Que-2(C) | Answer The Following Question. (Any One out of Two) | (05) |
| | <ol style="list-style-type: none">1. Write a note on Modes in VI editor.2. Explain features of Unix. | |
| Que-3(A) | Answer The Following Question. (Only Three) | (03) |
| | <ol style="list-style-type: none">1. Full form of GUI2. Full form of CUI3. Full form of GPL | |
| Que-3(B) | Answer The Following Question. (Any Two out of Four) | (06) |
| | <ol style="list-style-type: none">1. Explain while loop with example.2. Explain Decision Statements.3. Describe GNU, GPL Concept in brief.4. Explain break and continue statements. | |
| Que-3(C) | Answer The Following Question. (Any One out of Two) | (05) |
| | <ol style="list-style-type: none">1. Write Installation & configuration steps of Linux using with ubuntu.2. Write a note on Shell Variables. | |
| Que-4(A) | Answer The Following Question. (Only Three) | (03) |
| | <ol style="list-style-type: none">1. Full form of KDE is...2. Full form of GNOME is ...3. startx is located in /usr/bin/startx (true/false) | |

- Que-4(B) Answer The Following Question. (Any Two out of Four) (06)
1. What is the purpose of window manager?
 2. Describe User Configuration in brief.
 3. Write a note on GNOME panel
 4. Explain: how to create, delete and rename files and folders.
- Que-4(C) Answer The Following Question. (Any One out of Two) (05)
1. Explain KDE Panel.
 2. Write a note on GNOME Desktop.
- Que-5(A) Answer The Following Question. (Only Three) (03)
1. Give full form of DNS.
 2. Give full form of WINE
 3. Give full form of TLS.
- Que-5(B) Answer The Following Question. (Any Two out of Four) (06)
1. Write a note on DNS Services.
 2. Write a note on Optimizing Web Services.
 3. Write a note on Apache server.
 4. Explain Samba Server.
- Que-5(C) Answer The Following Question. (Any One out of Two) (05)
1. Explain LDAP Services and FTP Services.
 2. Write a note on Working with WINE.
