

B.Sc. - II (Information Technology) (CBCS Pattern) Semester-III
UBITT302 - Paper-II - Operating System & Linux

P. Pages : 2

Time : Three Hours



GUG/S/25/10928

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data whenever necessary.
 3. Avoid vague answers and write specific answer related to question.

Either :

1. a) Write a detail note on 4
- i) Multi programmed operating system.
- ii) Time sharing operating system.
- b) What is I/O interrupt? Explain. 4

OR

- c) Explain general system architecture in detail. 4
- d) Describe the concept of distributed operating system in detail. 4

Either :

2. a) Explain File I/O system in detail. 4
- b) What is process? List and explain the types of process in detail. 4

OR

- c) What is Networking? Explain in detail. 4
- d) Explain the term information maintenance in detail. 4

Either :

3. a) Write a note on 4
- i) cd
- ii) cat
- iii) mv
- iv) rm
- b) Explain how to explore directory structure in detail. 4

OR

- c) Explain how to edit the text using vi editor. 4
- d) What is shell? Explain Bourne shell in detail. 4

Either :

- 4. a) Explain Arithmetic in shell script in detail. 4
- b) Write detail note on 4
 - i) sort
 - ii) chgrp.

OR

- c) List and explain the various shell parameters in detail. 4
- d) Write a detail note on 4
 - i) ps
 - ii) kill

5. Solve all the questions.

- a) Explain the role of operating system. 2
- b) Write a short note on system call. 2
- c) Explain the following 2
 - i) mkdir
 - ii) rmdir
- d) What is shell variable? Explain. 2
