

M.C.M. - I (CBCS Pattern) Semester-II
PCMCMT203.1 - Paper-III : Elective-I : Operating System and Linux

P. Pages : 2

Time : Three Hours



GUG/S/25/10765

Max. Marks : 80

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

Either :

1. a) Define operating system. List the function of an operating system. 8
- b) Discuss the multiprogramming system and their advantages. 8

OR

- c) What are Real-time systems? Explain it. 8
- d) Write note on: 8
 - a) Storage structure
 - b) Storage Hierarchy.

Either :

2. a) What do you mean by batch files? List various batch file commands. 8
- b) Differentiate between MS-DOS and windows operating system. 8

OR

- c) Explain four disk management commands with suitable example. 8
- d) Explain general commands with example. 8

Either :

3. a) What is Linux operating system and list the main functions of the Kernel in a multiuser operating system. 8
- b) Describe various file types supported by the Linux operating system. 8

OR

- c) Explain the directory structure of Linux. 8
- d) Explain Bourne and Korn Shell in detail. 8

Either :

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|-----------|----|--|----------|
| 4. | a) | What is shell variable? Explain types of variable. | 8 |
| | b) | Explain pipe and filter commands in detail. | 8 |

OR

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|-----------|----|--|----------|
| | c) | What do you mean by control flow statement? Explain with suitable example. | 8 |
| | d) | Explain Arithmetic in shell script in detail. | 8 |
| 5. | | Solve all the questions. | |
| | a) | Explain online and offline processing. | 4 |
| | b) | Differentiate between warm and cold booting. | 4 |
| | c) | Explain C-shells in short. | 4 |
| | d) | Write the basic concept of shell script. | 4 |
