

B.C.A Semester - 4 (NEP-2020) Examination**March/April-2026****Operating System (Skill Enhancement Course)****Time: 1:00 Hours****Marks: 25****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que.1 Answer any two (10)

- 1) List and explain various types of OS
- 2) Explain in detail the concept of Process Management
- 3) What is Paging? Explain in detail how memory allocation is done using this technique
- 4) Explain the concept of virtual memory

Que.2 Answer any two (10)

- 1) Write in detail the features of UNIX
- 2) List and explain various file and directory permissions
- 3) List various login commands. Explain any two commands with syntax and example
- 4) List various decision commands. Explain any one giving example

Que.3 Answer any one (05)

- 1) List and explain in brief various process scheduling algorithms
- 2) Explain the use of break and continue statements with example
