Roll No. ....

D–3851

B. C. A. (Part II) EXAMINATION, 2020

(New Course)

Paper Fifth

OPERATING SYSTEMS WITH LINUX

(BCA—205)

Time : Three Hours]   [*Maximum Marks : 80*

Note : Attempt any *two* parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) Explain batch processing and function of Operating System.

   (b) Explain time sharing and real time system.

   (c) Explain spooling and multiprocessor system.

Unit—II

2. (a) Explain process control block in detail.

   (b) Discuss context switching and dispatcher.

   (c) Explain multilevel feedback queues in detail.

Unit—III

3. (a) Explain fragmentation and partition allocation policies.

   (b) Discuss paging and segmentation.

   (c) Explain demand paging of swapping.

Unit—IV

4. (a) Explain hardware requirements of UNIX and Kernel and its functions.

   (b) Discuss feature of UNIX File system and commands like mkdir, chmod, grep, awk etc.

   (c) Explain shell and system calls various versions of Unix.

Unit—V

5. (a) Explain command line arguments of command substitution.

   (b) Explain while loops and string comparison with example.

   (c) Explain shell variables $, #, # ?, $ * and standard error, redirection system.

http://www.prsunotes.com