UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2020

CC6-COMPUTER SCIENCE (32)

OPERATING SYSTEMS

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

Answer any *two* questions from the following   20×2 = 40

1. (a) What are the various services provided by Operating System? Explain in brief.   10+10
   (b) Compare the Linux and Windows Operating System.

2.   Write short note on following: 20
   (a) Time Sharing Systems
   (b) Main Frame Systems
   (c) Parallel Systems
   (d) Real Time Systems.

3.   Write short note on following: 20
   (a) Thrashing
   (b) Belady's Anomaly
   (c) Segmentation with paging
   (d) Physical and Virtual address space.

4. (a) What do you understand by Virtual Memory? How it can be implemented by Demand Paging?   10+10
   (b) What do you understand by Device Management? Also explain the functions performed by it.

5. (a) Write short note on File Access Methods.   10+10
   (b) What are the various operations performed over files?

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