UNIVERSITY OF NORTH BENGAL

B.Sc. General Part-II Examination, 2021

COMPUTER SCIENCE

PAPER-IV

Full Marks: 50

ASSIGNMENT

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.
All symbols are of usual significance.

Answer any *two* questions from the following   25×2 = 50

1. (a) What are the various services provided by Operating System? Explain in brief. 10

   (b) Compare the Linux and Windows operating system. 10

   (c) What do you understand by Device Management? Also explain the functions performed by it. 5

2. Write short notes on following: 5×5=25
   (a) Time Sharing Systems
   (b) Thrashing
   (c) Belady's Anomaly
   (d) Segmentation with paging
   (e) Physical and virtual address space.

3. (a) Explain the basic structure of a C program with an example. 10

   (b) What is Token? Discuss about the different types of token available in C language. 10

   (c) Define: (i) Variable (ii) Constant (iii) Associativity (iv) Precedence with respect to C programming. 5

4. (a) What is an operator? List and explain various types of operators used in C programming with example. 10

   (b) What are basic data types available in C programming? Write the significance of each data type. 10

   (c) What is type conversion? Explain two types of conversion with examples. 5

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