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**NA—319—2023**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Second Year) (Third Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2023**

**(New Pattern)**

**COMPUTER SCIENCE**

**Paper-VI**

**(Operating System)**

**(Tuesday, 26-12-2023)**

**Time : 2.00 p.m. to 4.00 p.m.**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :—* (1) Attempt *all* questions.

(2) Draw suitable diagrams wherever necessary.

(3) Assume your own data if necessary.

1. Define operating system. Enlist and explain operating system operations. 15

*Or*

(a) Explain user operating system interface. 8

(b) Explain the concept of process scheduling. 7

2. What is memory management ? Explain contiguous allocation. 15

*Or*

(a) What is interprocess communication ? 8

(b) Explain the concept of system program. 7

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3. Write short notes on (any *two*) :

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- (a) Operating system structure
- (b) System calls
- (c) Operations on processes
- (d) Memory swapping.

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