Roll No. ....

ED–2760

B. A./B. Sc./B. Sc. B. Ed. (Part III) EXAMINATION, 2021

MATHEMATICS

(Optional)

Paper Third (A)

(Principles of Computer Science)

Time : Three Hours

Maximum Marks : 50

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

Unit—I

1. (a) What is main memory ? How data can be store in memory ? Explain with example.

   (b) How to program is executed ? Explain with example.

   (c) Write notes on memory mapped I/O and DMA.

Unit—II

2. (a) What is Process ? Explain about process administration.

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(b) Explain the development phase of the software life cycle.

(c) Write difference between coupling and cohesion.

Unit—III

3. (a) Describe the Algorithm efficiency.

(b) What is recursive algorithm ? Explain with example.

(c) Write an algorithm to sort any ten values.

Unit—IV

4. (a) What is binary tree ? Describe how to implemented in a array.

(b) Explain relational database model with suitable example.

(c) Differentiate between queue and stack.

Unit—V

5. (a) What is production system ? Explain its main components.

(b) Describe how to search tree is implemented in AI

(c) Explain turning machine and problem classification.

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