B.Sc. DEGREE EXAMINATION – DECEMBER, 2019.

Second Year

Computer Science

APPLIED OPERATIONS RESEARCH

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Write about the Dynamic Programming

2. Discuss about the linear programming.

3. Explain about the Simplex Method.

4. Explain about the Mathematical Models.

5. Explain about the N jobs on two machines.

6. Discuss about the Replacement Models.

7. Write detail about the Individual Replacement policy.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8.   Discuss about the Integer programming.

9.   Briefly discuss about the two phase simplex method.

10.   Elaborate the Goal programming.

11.   Explain about the N jobs on Three Machines.

12.   Illustrate the N jobs on M machines.

13.   Explain about the Replacement of Machines.

14.   Describe about the Goal Replacement Policy.

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