

MAY 2016

P/ID 17534/PCE16

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Explain Amdahl's law.
2. Explain mesh network.
3. Explain CREW.
4. Explain list ranking.
5. How to find maximum of a array?
6. Write a brief note on Torus.
7. Explain batchers network.
8. Explain pattern matching.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain any two static networks.
10. Explain the non blocking networks CLOS.

11. Explain the simulation of CRCW on CREW and EREW.
 12. Explain the Pipepenger and Fisher theorem.
 13. Write a detailed note on complete problems.
 14. Explain relating sequential space with parallel time.
 15. Explain matrix multiplication on mesh and cube.
 16. Write a detailed note on merge splitting sorting.
 17. Discuss about PEPE.
 18. Explain not-smaller-than search in detail.
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