

**CS-702 (GS)**  
**B.E. VII Semester** Examination, June 2020  
**Grading System (GS)**  
**Distributed Systems**  
*Time : Three Hours*

**Maximum Marks : 70**

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. Briefly explain RPC, also discuss the implementation of RPC mechanism.
  2. Why page-based DSM largely implemented at user-level and what is required to achieve this? Explain.
  3. What are the design issues to be considered in designing distributed systems? Explain in detail about each of them.
  4. a) Write Goals of Distributed system.  
b) What are the issues in Designing Distributed system?
  5. What is Task Migration? Also, discuss the various issues in the task migration mechanism.
  6. Explain Briefly:-
    - i) Clock Synchronization
    - ii) Election Algorithm
- OR
- Write about:
- a) Bully Algorithm
  - b) Ring Algorithm
7. Explain Marshaling group communication.
  8. Write short note:
    - i) Amoeba
    - ii) Naming
    - iii) File catching scheme

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