

(3 Hours)

Total Marks: 80

- N.B. :**
- 1) Question No.1 is **compulsory**.
 - 2) Attempt any **THREE** from the remaining questions.
 - 3) Figures to the right indicate full marks.

- Q1.**
- (a) Explain consistency models in detail [5]
 - (b) Explain Callback RPC [5]
 - (c) Explain logical Clocks [5]
 - (d) Explain evolution of cloud computing [5]
- Q2.**
- (a) What is Distributed operating system? Why Distributed operating system gaining popularity. [10]
 - (b) Explain group communication in detail [10]
- Q3.**
- (a) Explain desirable features of good message passing system detail. [10]
 - (b) Explain Distributed Algorithm for Mutual Exclusion in detail. [10]
- Q4.**
- (a) Explain process addressing in IPC. [10]
 - (b) Explain in details any two Election algorithms. [10]
- Q5.**
- (a) Explain Design and implementation issues of Distributed Shared Memory. [10]
 - (b) What is process management? Explain features of a good process migration [10]
- Q6.**
- (a) Explain security issues for Cloud computing in detail. [10]
 - (b) Explain task assignment approach in detail [10]
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