R18

[8+7]

Code No: 155AB

b)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year I Semester Examinations, September - 2021 ADVANCED OPERATING SYSTEMS

(Common to CSE, IT)

Time: 3 Hours Max. Marks: 75 Answer any five questions All questions carry equal marks 1.a) Discuss various issues in distributed operating system. b) Explain in brief about communication primitives. [7+8]2. Explain the following. a) Vector clocks. b) Termination detection. [8+7]3.a) Explain Raymond's heuristic algorithm. Explain Lamport's algorithm. b) [8+7]Distinguish between token and non-token based algorithms. 4.a) Discuss in brief about the classification of mutual exclusion algorithms. b) [7+8]Explain in brief control organizations for distributed deadlock detection. 5.a) Discuss the issues in deadlook detection and resolution. b) [8+7]Explain in brief hierachical deadlock detection algorithms. 6. [15] Discuss the features of distributed file systems. 7.aDiscuss about perating design issues. b) [8+7]8.a) Explain the components of load distributed algorithm.

---ooOoo---

Discuss the requirements for load distributing.