

Seat No.	
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B.E. (CSE) (Part - IV) (Semester - VII) (Revised)**Examination, November - 2017****DISTRIBUTED SYSTEMS****Sub. Code : 67542****Day and Date : Monday, 13-11-2017****Total Marks : 100****Time : 2.30 p.m. to 5.30 p.m.**

- Instructions :**
- 1) Question 4 and question 8 are compulsory, attempt any two questions from que.1 to 3 from section I and que. 5 to 7 from section II.
 - 2) Figures to the right indicate full marks.

SECTION - I

- Q1) a)** Explain the process of binding a client to a server in DCE RPC. [8]
- b)** What are different scaling techniques can be applied to achieve scalability in distributed system? [8]

- Q2) a)** Explain token ring mutual exclusion algorithm in detail. [8]
- b)** Define the terms error and fault. Classify and explain the faults. [8]

- Q3) a)** Explain UNIX semantics, Session Semantics and Immutable files semantics of file sharing. [8]
- b)** Explain the server replication mechanism used in CODA. [8]

- Q4) Attempt any three** [18]

- a) Sensor networks.
- b) Berkeley Algorithm.
- c) Collaborative distributed systems.
- d) Compound procedures used in ONC RPC in NFS v4.

P.T.O.

SECTION-II

- Q5) a) Describe implementation level of virtualization in Cloud Computing? [8]
b) What are the benefits using virtualization in Cloud Computing? [8]
- Q6) a) Explain virtualization at Application level? [8]
b) Explain Database as a Service (DBaaS) in Cloud Computing? [8]
- Q7) a) What are different threats on Data stored in cloud? [8]
b) What are the advantages of "Platform as a Service" (PaaS)? [8]
- Q8) Write note on [18]
a) Advantages of Using cloud storage gateways (CSG).
b) Cloud Firewall.
c) Virtual Firewall.

