D 41346   (Pages : 2)   Name.............................

Reg. No.............................
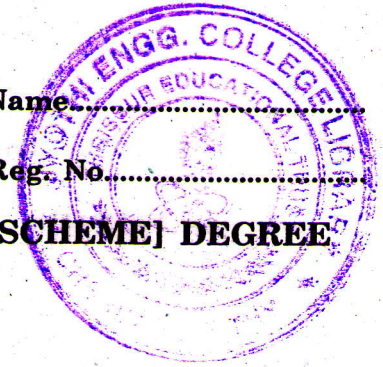
EIGHTH SEMESTER B.TECH. (ENGINEERING) [2014 SCHEME] DEGREE EXAMINATION, APRIL 2018

Computer Science Engineering

CS 14 802/IT 14 804 C—DISTRIBUTED SYSTEMS

Time : Three Hours   Maximum : 1 00 Marks

Part A

Answer any **eight** *questions.*
Each question carries 5 marks.

1. Enumerate the design goals of a distributed system.

2. Distinguish between process and a thread.

3. What is code migration ?

4. What do you mean by multicast communication ? Explain in brief.

5. Write short notes on attribute based naming.

6. What do you mean by logical clock ?

7. Write short notes on Election Algorithms.

8. Write a short note on client centric consistency models.

9. Write short notes on process resilience.

10. Bring out the advantages of distributed file system.

(8 × 5 = 40 marks)

Part B

Answer **all** *questions.*
Each questions carries 15 marks.

11. (a) Describe in detail about different types of distributed systems with necessary sketches, highlighting the advantanges and limitations of each type.

Or

(b) With a neat sketch, explain in detail about self management in distributed system.

12. (a) Explain in detail about Remote Procedure Call with necessary sketches.

Or

(b) With a neat sketch explain in detail about message oriented communication.

Turn over

13. (a) Explain in detail about clock synchronization and mutual exclusion with a neat sketch.

Or

(b) Explain in detail about data centric consistency models.

14. (a) Explain in detail about reliable group communication.

Or

(b) Explain in detail about distributed web based systems and distributed object based systems.

(4 × 15 = 60 marks)