G 1439

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B.TECH. DEGREE EXAMINATION, MAY 2016

Sixth Semester

Branch : Computer Science and Engineering

CS 010 604—Computer Networks (CS)

(New Scheme—2010 Admission onwards)
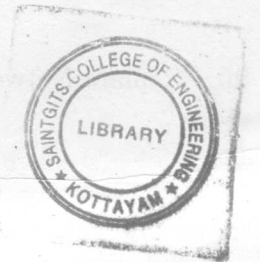
[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

*Answer **all** the questions.*
Each question carries 3 marks.

1. What are the requirements of a network ?

2. What is clock based framing ?

3. Define packet switching.

4. What is the use of DEC bit ?

5. Define web services.

(5 × 3 = 15 marks)

Part B

*Answer **all** the questions.*
Each question carries 5 marks.

6. Describe the layered and protocol architecture.

7. Explain WiFi and Wimax.

8. Describe about switching and forwarding.

9. What are the fundamentals of RPC ?

10. Explain peer to peer networks.

(5 × 5 = 25 marks)

Part C

*Answer **all** the questions.*
Each question carries 12 marks.

11. Explain about OSI architecture in detail.

Or

12. Explain the performance characteristics in a network.

Turn over

13. Explain in detail about byte and bit oriented protocol

Or

14. Describe the reliable transmission stop and wait mechanism.

15. Explain spanning tree algorithms.

Or

16. Explain link state and distance vector routine.

17. Describe connection establishment and termination mechanisms.

Or

18. Explain any *two* congestion control mechanisms.

19. Explain WWW, Email and Name service.

Or

20. Explain Network management.

(5 × 12 = 60 marks)