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DATE: 17-04-2017

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

**VI Semester Examination, April 2017**

**B.Sc Computer Science**

**CS 6112 : Computer Networks**

**Time 3Hrs Max Marks 100**

**This paper contains 1 printed page and 3 parts**

**(*For supplementary candidates only)***

***Attach this question paper with the answer script***

**PART-A**

**Answer all TEN questions 3 x10 = 30**

1. Give the difference between LAN and MAN.
2. What is a server? How is it different from a client?
3. Write the difference between packet and frame.
4. What are headers and trailers?
5. What are the difference between network layer delivery and transport layer delivery?
6. List the difference between 100baseFL and 100baseX.
7. List the difference between RG and RJ cables.
8. Write a short note on infrared networking.
9. Explain the features of Ethernet.
10. Define networking. List the 2 types of IP addressing used in networking.

**PART-B**

**Answer any FIVE questions 8 x5 = 40**

1. What is hub? List the difference between Central and secondary hub.
2. List the difference between TCP and UDP.
3. Explain the working of cellular network.
4. Write the differences between broad band and base band cable.
5. Write a short note on transmission modes.
6. Write a short note on 100VG LAN topology.
7. Explain the working of client server architecture.

**PART-C**

**Answer any THREE questions 10 x3 = 30**

1. What is topology? Explain different types of topology.
2. Write a short note on different types of cables
3. Explain Quality Of Service parameters for Transport Layer.

21) Expand and explain CSMA/CD.

22) Compare and contrast TCP/IP and OSI Model. CS-6112-A-17