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## Question Paper Code: 40913

## B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018 Fourth/Fifth/Sixth/Seventh/Eighth Semester

Computer Science and Engineering CS6551 – COMPUTER NETWORKS

(Common to : Biomedical Engineering/Electronics and Communication Engineering/ Mechatronics Engineering/Information Technology) (Regulations 2013)

Time: Three Hours

Maximum: 100 Marks

## Answer ALL questions PART – A

 $(10\times2=20 \text{ Marks})$ 

- 1. Write down the requirements to build a computer network.
- 2. List the metrics that influence the performance of computer networks.
- 3. Define 802.11.
- 4. What do you mean by switching?
- 5. What are the benefits of Open Shortest Path First (OSPF) protocol?
- 6. What is multicast routing?
- 7. What are the services provided by Transport layer protocol?
- 8. Define congestion control.
- 9. Write the uses of HTTP.
- 10. What is DNS?

## PART - B

(5×13=65 Marks)

(13)

- 11. a) With a neat sketch, explain the function of OSI network architecture. (13)
  - b) Discuss the different ways to address the framing problem.