

Code: 17F00302

MCA III Semester Supplementary Examinations May 2019

COMPUTER NETWORKS

(For 2017 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

- 1 State the purpose of layering in networks. Explain different layers of OSI referential model with their functionality.

OR

- 2 Define transmission medium. Explain different transmission medium with their advantages and disadvantages.

- 3 Explain about the error detection and error correction with an example.

OR

- 4 With the help of diagram, explain five different categories of connecting devices?

- 5 What do you mean by routing in network? Explain in detail about any one routing algorithm and one congestion control algorithm. Also write the advantages and disadvantages of each.

OR

- 6 Write about IPv6 in detail. What are its new features and improvements?

- 7 Explain in detail about the connection establishment in TCP.

OR

- 8 Discuss in brief about the services provided by the transport layer.

- 9 Explain the functioning of HTTP in detail.

OR

- 10 Write short notes on the following:

- (a) SNMP.
- (b) Domain Name System.
