

C-61417 B

B.Sc. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2018.

End-Semester Examination

Sixth Semester

Computer Application

(Regular)

Paper VII : Elective B — COMPUTER NETWORKS

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Define networks. Write the uses and benefits of networks.
2. Discuss about the wireless transmission.
3. Write about Ethernet.
4. Why OSI is important in Networks?
5. Write about network OS.
6. Explain about error generating code.
7. What is store forward packet switching?
8. Write about routers and bridges.

PART — B

Answer ALL the following questions. **(5 × 10 = 50 Marks)**

9. (a) Explain about OSI reference model with an example.

Or

- (b) What is Topology? Explain different types of topologies in detail.

Turn Over

10. (a) Describe the high level data link control and its operations.

Or

(b) What is IPV? Explain IPV4 data gram header in detail.

11. (a) Explain network layer design issues in detail.

Or

(b) Discuss about congestion control algorithms in network layer.

12. (a) What is TCP? Explain TCP system in detail.

Or

(b) Explain the difference between stop and wait protocol and sliding window protocol.

13. (a) What is domain name system and resource encoding? Explain how DNS works.

Or

(b) What is Cryptograph? Explain the importance of digital signature in detail.
