

CSE

Printed Pages- 3

Roll No.

322611(22)

B. E. (Sixth Semester) Examination, Nov.-Dec. 2018

(Old Scheme)

(Branch : CSE)

COMPUTER NETWORK

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) from each question is compulsory. Solve any **two** parts from remaining questions.

1. (a) Define Transmission Mode of computer network. 2
- (b) Define computer network and briefly explain all types of computer network. 7

322611(22)

PTO

- (c) Briefly explain OSI model. 7
- (d) Briefly explain Layered Architecture with function of layer. 7
2. (a) What is piggy backing? 2
- (b) What is error detection? What are the various error detection methods? Explain. 7
- (c) What is HDLC? Explain the features of HDLC. 7
- (d) Differentiate between pure ALOHA and slotted ALOHA. Draw a graph between system throughput and offered load. 7
3. (a) What do you mean by CHOKe PACKET? 2
- (b) Explain IP fragment in detail. 7
- (c) What is Routing Algorithm? Explain dijkstra's algorithm with suitable example. 7
- (d) What are the difference between TCP and UDP? 7
4. (a) What is cryptography? Write down the components involved in it. 2

- (b) Explain the various types of compression techniques. 7
- (c) Give short note on WWW, FTP and Email. 7
- (d) Describe the application layer protocol. 7
5. (a) What is FDDI? 2
- (b) Explain X.25 network with its feature. 7
- (c) Describe the evolution of SONET and SDH. What is the difference between SONET & SDH? 7
- (d) Give short note on Router and Gateway with advantages and disadvantages. 7