

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Advance Communication Networking

Subject Code: 4TE08ACN1

Branch: B.Tech (EC)

Semester: 8

Date: 15/04/2017

Time: 02:30 To 05:30

Marks :70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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- Q-1 Define the following terms: (14)**
- a) Switching Office.
 - b) Folded Network.
 - c) Fast Ethernet.
 - d) Erlang.
 - e) Calling Subscriber.
 - f) Called Subscriber.
 - g) Fully Connected Networks.
 - h) Nonfolded Network.
 - i) Datagrams.
 - j) Virtual Circuits.
 - k) Blocking Network.
 - l) Full Duplex Ethernet.
 - m) Blocking Probability.
 - n) Busy Hour Traffic.

Attempt any four questions from Q-2 to Q-8

- Q-2 Attempt all questions (14)**
- (a) Explain Classification of the Switching System.
 - (b) Explain in detail the routing in packet networks.
- Q-3 Attempt all questions (14)**
- (a) Draw and explain basic time division switching.
 - (b) Explain Packet switching network services and internal network operation.
- Q-4 Attempt all questions (14)**
- (a) What is ISDN? Explain working of ISDN network and protocol architecture.
 - (b) Explain in detail Elements of switching system.



