

Total No. of Questions : 6]

SEAT No. :

P49

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APR. - 17/B.E./Insem. - 57
B.E. (IT, E & TC & Comp. Engg.)
UNIFIED COMMUNICATIONS & CONTACT CENTER
APPLICATIONS
(2012 Pattern) (Open Elective) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q. 1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*
- 4) Assume suitable data if necessary.*

- Q1) a)** What are the limitations of analog telephony? **[5]**
- b) What is answer supervision and disconnect supervision? What is the significance of answer supervision? How is answer supervision and disconnect supervision provided by E & M circuits? **[5]**

OR

- Q2) a)** What are the different signaling mechanisms in E & M signaling circuits? Explain. **[5]**
- b) Explain E. 164 Numbering plan. **[5]**

- Q3) a)** Explain the differences between CAS and CCS. Which is a better form of signaling and why? **[5]**
- b) Write a short note on ISDN. Explain its layer 3 Message structure. **[5]**

OR

- Q4) a)** Max-Forward is a mandatory header field in SIP. Why? What will happen if you make Max-Forwards as optional parameter? **[5]**
- b) Draw a high level call flow of H. 323? **[5]**

P.T.O.

- Q5)** a) What is Session Border Controllers. [5]
b) Explain protocol interoperability. [5]

OR

- Q6)** a) Draw and explain ISDN SIP message interpolation in an Enterprise PBX. [5]
b) What are different enterprise topologies? Explain any one in detail. [5]

