

**MASTER OF BUSINESS ADMINISTRATION  
(MBACT)**

**Term-End Examination**

**December, 2012**

**MCTE-022 : VOICE OVER INTERNET  
PROTOCOL**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : Answer any Five of the following. Each question carries equal marks.*

1. (a) Differentiate between PSTN and VOIP on various features. 10  
(b) Write merits and limitations of VOIP. 10
2. (a) List out various network protocols being used to implement VOIP. 5  
(b) Explain H.323 protocol suite. 15
3. (a) List out various challenges in implementation of VOIP. 5  
(b) Explain on 'how to ensure Quality of Service (QOS) in VOIP'. 15
4. Write and explain various security issues and counter measures for VOIP. 20

5. Explain in detail on 'Least Cost Routing System' used in VOIP. 20
6. Explain in brief, the following issues/challenges addressed in VOIP. 20
- (a) Number portability
  - (b) Emergency calls
  - (c) Caller ID
  - (d) Fax handling
7. Explain the following in brief : 20
- (a) Audio Over 'IP'
  - (b) Session Initiation protocol
  - (c) Virtual circuit
  - (d) Packet Switching
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