





3. a) Mention various entities of H.323 and briefly discuss each of them.
- b) Discuss the H.323 call setup using H.225 RAS and show the timing diagram. 7 + 8
4. a) Mention the various services offered by IMS and discuss its key attributes.
- b) Briefly discuss various functional elements of IMS and show them in a layered structure.
- c) Discuss various objectives of IMS. 5 + 7 + 3
5. a) Describe five facets to establish and terminate SIP supported multimedia communication.
- b) Mention various advantages of SIP.
- c) Draw and explain the SIP call set-up using a redirect server. 5 + 4 + 6
6. a) Mention various steps for converting voice signal into IP packets.
- b) Compare VoIP and IMS.
- c) Discuss SIP addressing scheme. 5 + 5 + 5



7. Write short notes on any *three* of the following : 3 × 5

- a) Gatekeeper
- b) H.323 signalling family
- c) VoIP accessibility and portability
- d) HSS
- e) Charging in IMS.

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