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Question Paper Code: 55S11

M.E. DEGREE EXAMINATION, MAY 2018

Elective

Communication Systems

15PCM511 - MOBILE COMMUNICATION NETWORKS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) (i) Explain SRS Scheme with its flow chart. CO1- U (10)
(ii) Explain the QPS Handoff call channel assignment with its Flowchart. CO1- U (10)

Or
- (b) Explain Roaming management in detail. CO1- U (20)
2. (a) Explain GSM short message service with its mobile origination. CO2-U (20)

Or
- (b) With neat sketch explain the structural design of Global system of mobile communication and Pocket switched protocol. CO2- U (20)
3. (a) Explain GPRS Architecture and its transmission plane with neat diagram. CO3- U (20)

Or
- (b) Explain GPRS interfaces used for signaling. CO3-U (20)

4. (a) Discuss about radio spectrum and radio transmission technologies for IMT-2000. CO4- U (20)
- Or
- (b) Explain the Functional Network architecture of IMT 2000. CO4- U (20)
5. (a) (i) Discuss the issues in MAC Protocol CO5-Ana (10)
- (ii) Discuss the design goals of MAC Protocol CO5-Ana (10)
- Or
- (b) Explain the classification of MAC protocols in detail. CO5-Ana (20)
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