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Question Paper Code: 55S11

M.E. DEGREE EXAMINATION, APRIL 2019

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 PCS Architecture and GSM Architecture with neat diagram?	CO1- U	(10)
		(ii) Explain the strategies that have been proposed to detect the need for Handoff.	CO1- U	(10)

Or

	(b)	Explain the Mobility management in PCS network.	CO1- U	(20)

2.	(a)	Explain GSM and GPRS Architecture with neat diagram?	CO2-U	(20)

Or

	(b)	Explain GSM short message service with its mobile origination	CO2- U	(20)

3.	(a)	Describe UM,Gb,Gp,Gs,Gi interfaces with its protocols	CO3- U	(20)

Or

	(b)	Discuss the HYPERLAN Standard and Mobile IP.	CO3-U	(20)

4.	(a)	Describe the Cashing mechanism. What are the important issues in designing the WAP cashing model?	CO4- U	(20)

Or

	(b)	Explain the Functional Network architecture of IMT 2000.	CO4- U	(20)

5. (a) (i) Explain Packet exchange in MACAW   CO5-Ana   (10)

        (ii) Explain Packet transmission in MACA-BI   CO5-Ana   (10)

<div align="center">Or</div>

   (b) Explain Frame structure of SRMA & FPRP with its diagram   CO5-Ana   (20)

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