

E

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code: 55R21

Ph.D COURSE WORK EXAMINATION, MAY 2018

Elective

Course Work

15PNE521 - NEXT GENERATION NETWORKS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Explain how full featured telephony can be provisioned over an IP network. CO1-U (20)
Or
(b) Explain about the functions of service provider to monitor performance of NGN. CO1-U (20)
2. (a) Discuss in detail about the functions of NGN protocols. CO2- Ana (20)
Or
(b) Relate the architecture of OSS with IMS in Next Generation Network. CO2- Ana (20)
3. (a) Discover the strategic advantage offered by VPN technologies in NGN. CO3-U (20)
Or
(b) Explore MPLS technology and its components. CO3-U (20)
4. (a) Describe the functional architecture of next generation network for multicast services in NGN. CO4-U (20)
Or
(b) Give the background for current generation multi-play applications and their service requirements. CO4-U (20)

5. (a) Explain the standardization activities of NGN Management. CO5-U (20)

Or

(b) Brief short notes on performance Management and security Management. CO5-U (20)