Paper / Subject Code: 59704 / Elective I :Next Generation Networks.

Date : 20/5/19

Duration: 3 hours   **Max marks: 80**

Note the following instructions.

   (a) Question No.1 is compulsory
   (b) Total 4 questions need to be solved
   (c) Attempt any three questions from remaining five questions.
   (d) Assume suitable data wherever necessary, justify the same

1.a	Explain the concept of SDR and cognitive radio?	[5]
1.b	Impact of using IPv6 in NGN.	[5]
1.c	What are Wireline NG Technologies?	[5]
1.d	How are the services converged in NGN?	[5]
2.a	What are the major threats to Telecom Industry?	[10]
2.b	How does EVDO works? Compare EVDO with Wi-Fi.	[10]
3.a	What is the role of control and signaling protocols for NGN? Explain the working principle of Diameter protocol.	[10]
3.b	Explain TISPAN Architecture of NGN	[10]
4.a	Explain the concept of IOT with an example.	[10]
4.b	How are the legacy networks going to migrate to NGN?	[10]
5.a	Explain the naming, numbering & addressing schemes in NGN.	[10]
5.b	Explain the concept of VPN and its implementation in Layer2 and layer3.	[10]
6	a) IPTV	[10*2]
	b) FMC	

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