ME EXTC |sem I| choice based | 2nd half 2018

7/12/2018

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 FTTP.	[5]
1.b	List down the Major threats to telephone industry in recent years.	[5]
1.c	Compare VoIP V4 vs V6.	[5]
1.d	Specify how IPTV is different from the traditional TV.	[5]
2.a	Explain how EVDO works? Compare EVDO with Wi-Fi.	[10]
2.b	What is Internet of Things? How does IoT works?	[10]
3.a	Explain the concept of VPN and its implementation in Layer2 and layer3.	[10]
3.b	Draw the functional architecture TISPAN NGN and explain.	[10]
4.a	Explain the how Multi-Protocol Label Switching (MPLS) transfers the data using label switching.	[10]
4.b	Explain in detail the challenges of FMC in NGN.	[10]
5.a	List out the challenges in the Migration of PSTN to NGN.	[10]
5.b	What is the role of control and signaling protocols for NGN? Explain the working principle of Diameter protocol.	[10]

6   Discuss:
     a. IDs used in TISPAN NGN.   [5]
     b. Impact of using IPv6 in NGN.   [5]
     c. AAA.   [5]
     d. Wireline NG technologies.   [5]

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