B.TECH. SEM -VII ELECTRONICS 2014 COURSE (CBCS) : SUMMER - 2018

SUBJECT: ELECTIVE-I 1) MOBILE AND BROADBAND COMMUNICATION

Day : **Friday** **S-2018-2503** Time : **02.30 PM TO 05.30 PM**
Date : **25/05/2018** Max. Marks: 60

N. B. :

1) All questions are **COMPULSORY.**
2) Figures to the right indicate **FULL** marks.

Q.1 Describe the concept of "Frequency Reuse" in Cellular mobile systems. **(10)**

OR

Q.1 Describe multiple access technologies for Cellular system. **(10)**

Q.2 Draw and explain GSM architecture. **(10)**

OR

Q.2 Describe with diagram "protocol model for GSM". **(10)**

Q.3 Describe goals, assumptions and requirements of mobile IP. **(10)**

OR

Q.3 Describe DHCP in detail. **(10)**

Q.4 Distinguish between circuit switching and packet switching. **(10)**

OR

Q.4 Describe the following: **(10)**
i) Principles of ISDN ii) Evolution of ISDN iii) User interface

Q.5 Draw B-ISDN architecture and explain it. **(10)**

OR

Q.5 Draw B-ISDN protocol and explain in terms of: **(10)**
i) User plane ii) Control plane.

Q.6 Describe "VP and VC switching" with suitable diagram. **(10)**

OR

Q.6 Draw ATM cell format and explain: **(10)**
i) Header format ii) Generic Flow Control (GFC) and
iii) Header error control.

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