

**B.TECH. SEM -VII ELECTRONICS 2014 COURSE (CBCS) :**  
**WINTER - 2017**  
**SUBJECT: ELECTIVE-I 1) MOBILE AND BROADBAND COMMUNICATION**

Day : **Monday**  
Date : **22/01/2018**

Time **02.30 PM TO 05.30 PM**  
Max. Marks: 60

**W-2017-2298**

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
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**Q.1** Describe cellular system operation and planning. (10)

**OR**

**Q.1** Compare FDMA, TDMA and CDMA. (10)

**Q.2** Describe soft hand-off process in the CDMA system. (10)

**OR**

**Q.2** Describe Reverse Link structure in IS-95. (10)

**Q.3** Draw “wireless application protocol” architecture and explain in detail. (10)

**OR**

**Q.3** Write a note on: i-mode protocol. (10)

**Q.4** Draw “ISDN protocol Architecture” and explain it. (10)

**OR**

**Q.4** Describe circuit switching technique in detail. (10)

**Q.5** Describe “SONET System Hierarchy” with suitable diagram. (10)

**OR**

**Q.5** Write note on: B-ISDN protocol and B-ISDN standards. (10)

**Q.6** Describe “ATM Traffic and Congestion control”. (10)

**OR**

**Q.6** Describe ATM service categories. (10)

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