

**B. Tech. Sem -VII (E & TC Engg.) (2014 COURSE) (CBCS) :**  
**SUMMER - 2019**  
**SUBJECT : MOBILE AND BROADBAND COMMUNICATION**

Day : Monday  
Date : 13/05/2019

S-2019-2863

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

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
  - 4) Assume suitable data, if necessary.
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**Q. 1**      What is hand off? Explain different types of hand off. **(10)**

**OR**

What is cellular mobile communication? Explain its structure with block schematic. **(10)**

**Q. 2**      Compare infrared network and Radio frequency network. **(10)**

**OR**

Write a detail note on : 'HIPER LAN' **(10)**

**Q. 3**      Explain mobile IP and list the entities of mobile IP. **(10)**

**OR**

Write note on: 'DHCP' **(10)**

**Q. 4**      Explain ISDN principles and standards. **(10)**

**OR**

Explain ISDN protocol architecture. **(10)**

**Q. 5**      Explain B-ISDN standards with block schematic. **(10)**

**OR**

Explain the data retrieval and distribution system of B-ISDN. **(10)**

**Q. 6**      Explain user plane and control plane of B-ISDN protocols. **(10)**

**OR**

Write down the transmission structure of B-ISDN protocols. **(10)**

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