

Seat
No.

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मन - 052

ELECTIVE - II
Mobile Network (New)
(1282)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** questions from each unit.
5. Assume suitable data if necessary.
6. Figures to the right indicate full marks.

UNIT - I

1. a) What is handoff. What are its types. Explain how handoff differs from roaming. 10
b) List all the channel assignment schemes. Explain subrating scheme in detail. 10
c) Explain Inter - BS and Intersystem handoff. 10

UNIT - II

2. a) Explain various channels that are used in GSM. 10
b) Explain GSM MAP protocol machine. 10
c) Explain basic call origination and termination procedures in GSM. 10

UNIT - III

3. a) Discuss SMS protocol hierarchy. 10
b) Discuss Mobile - Terminated Messaging. 10
c) Discuss Mobile number portability mechanisms. 10

UNIT - IV

4. a) Draw and Explain iGSM architecture. 10
- b) Explain call delivery to the IP Network. 10
- c) Explain GPRS attach and detach procedures. 10

UNIT - V

5. a) Explain WAP protocols. 10
- b) Draw and explain paging network architecture. 10
- c) Discuss Wireless Local Loop technologies. 10
