



मुरड - 008

ELECTIVE - II
Mobile Computing
(1104)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet 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. Answer **any five** questions.
5. Figures to the right indicate full marks.
6. Assume suitable data wherever necessary.

1. a) Discuss various mobile computing applications and services. **10**
b) Explain security frameworks for mobile environments. **10**
2. a) Explain three-tier architecture for mobile computing environment. **10**
b) Discuss various components of information security. **10**
3. a) Explain how mobile IP works. **10**
b) Explain Javacard as emerging technologies. **10**
4. a) Explain Indirect TCP. **10**
b) Explain Transaction Oriented TCP. **10**
5. a) Explain wireless application protocol in brief. **10**
b) Explain wireless application environment. **10**

- | | | |
|----|--|----|
| 6. | a) Explain authentication and security in GSM. | 10 |
| | b) Explain GSM frequency allocation. | 10 |
| 7. | a) Explain GPRS system architecture. | 10 |
| | b) State and explain applications for GPRS. | 10 |
| 8. | a) Explain Direct sequence spread spectrum. | 10 |
| | b) Discuss third generation networks. | 10 |
