

**Elective – I : Mobile Computing**

P. Pages : 2

Time : Three Hours



**TKN/KS/16/7587**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
  2. Solve Question 1 OR Questions No. 2.
  3. Solve Question 3 OR Questions No. 4.
  4. Solve Question 5 OR Questions No. 6.
  5. Solve Question 7 OR Questions No. 8.
  6. Solve Question 9 OR Questions No. 10.
  7. Solve Question 11 OR Questions No. 12.

1. a) Explain wireless communication in detail and give suitable examples. **8**
- b) In detail explain system architecture protocol. **6**

**OR**

2. a) Give various applications of cellular communication for 1G to 4G Networks. **7**
- b) Write a short note on localization & calling in GSM. **7**
3. a) Draw and explain the architecture for mobile computing. **7**
- b) How mobile computing is achieved through Internet. **6**

**OR**

4. a) What are the Design considerations for Mobile Computing? **7**
- b) Justify Internet as the ubiquitous network. **6**
5. a) Explain medium access control layer for wireless LAN. **6**
- b) Draw and explain the System Architecture for wireless LAN. **8**

**OR**

6. a) Give wireless LAN advantages. **7**
- b) Specify and explain IEEE 802.11 standards. **7**
7. a) Describe the Agent Tel architecture. **6**
- b) Write a note on mobile agents and its characteristics. **7**

**OR**

8. a) What is the requirement for Mobile Agent System. 7  
b) Explain Aglet object model. 6
9. a) Write a note on wireless datagram protocol. 7  
b) What is wireless transaction protocol? 6

**OR**

10. a) Explain in detail about the WAP architecture. 7  
b) Enlist and briefly explain various wireless transaction protocol. 6
11. a) Give information about different hardware tools in Android. 6  
b) How is Mapping applications to process done in Android? 7

**OR**

12. a) Explain Android SDK features. 6  
b) Write a note on layer android components. 7

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