

# **BALASORE SCHOOL OF ENGINEERING**

## **MODEL QUESTIONS**

**Sub:-MOBILE COMPUTING (TH-5)**

**F.M-80**

**SEM-5<sup>TH</sup>**

**Branch-CSE**

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### **Group-A(Each carry two marks)**

**Answer any ten**

**(10\*2=20)**

1. Define networks and wireless networks.
2. What is mobile computing? List out applications of mobile computing.
3. What is www architecture?
4. What is an antenna? Define its types with example
5. Define Frequency modulation technique.
6. Define analog signal and digital signal?
7. What is radio frequency?
8. What is modulation technique?
9. Define Infrared waves.
10. What is WiFi? Define its standards and family.
11. Define abbreviation of GSM,GPRS, IS-95,CDMA,FDMA and UMTS.
12. What is client-server architecture?
13. Define mobile agent architecture.
14. What is WML?
15. Define features of GSM service.
16. Define WAP 2.x.
17. What is bandwidth?

### **Group-B(Each carry five marks)**

**Answer any six**

**(6\*5=30)**

1. What is mobile computing? Explain all dimensions of mobile computing.
2. What is modulation? Explain FM and AM.
3. Explain about hidden/exposed terminal with diagram.
4. What is signal propagation? Explain LOS and Sky Propagation with diagram.
5. What is mobile IP? Explain Mobile IP Entities.
6. Explain mobile IPv6 features.
7. Explain 3rd generation mobile communication network.
8. Differentiate between FDMA and TDMA.
9. Define amplitude shift key(ASK).
10. What is signal? Define amplitude, frequency and period with diagram.

**Group-C(Each carry ten marks)**

**Answer any three**

**(3\*10=20)**

1. Define short message system service (sms). Explain sms architecture with diagram.
2. What is modulation? Explain ASK and FSK with diagram.
3. What is cellular system? Explain all types of cell are used in cellular network.
4. What is mobile IP? Explain mobile IP operation.
5. What is multiplexing? Define FDM, CDM and TDM with proper diagram.
6. Explain mobile agent architecture with suitable diagram.