

Registration No:

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Total Number of Pages: 01

B.Tech
FECE6402

7th Semester Regular/Back Examination 2017-18

Principles of Mobile Computing

BRANCH: AEIE/ECE/ETC/EIE/IEE

Time: 3 Hours

Max Marks: 70

Q.CODE: B141

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

- Q1** Answer the following questions: (2 x 10)
- a) List out some applications that can benefit from wireless networks.
 - b) What do you understand by mobility management?
 - c) Differentiate between IMEI and IMSI Numbers.
 - d) Differentiate between IEEE 802.11 and IEEE 802.11a
 - e) Define elevation angle.
 - f) Define scatternet.
 - g) Mention some salient points of the IMT 2000.
 - h) What do you understand by W-CDMA?
 - i) What do you mean by agent discovery?
 - j) What is pervasive computing?
- Q2** a) Describe the architecture and applications of PCS (5)
b) Discuss some salient features of CDMA 2000. (5)
- Q3** a) What do you mean by Handover? What are the different types of handover? Explain. (5)
b) With a focus on security, discuss some issues in WLAN. Enlist some advantages and of WLAN. (5)
- Q4** Discuss the various entities of GSM Architecture with suitable diagrams. (10)
- Q5** a) How call routing takes place in a GSM system? (5)
b) Compare between 3G and WiFi. (5)
- Q6** a) Discuss the GPRS Network Architecture. (5)
b) Discuss some applications and Limitations of GPRS. (5)
- Q7** a) Discuss a Mobile IP Network with suitable illustrations. (5)
b) Explain Satellite networks in detail. (5)
- Q8** Write short notes on any TWO: (5 x 2)
- a) Server Side JAVA
 - b) WML
 - c) GLOBSTAR
 - d) Bluetooth Protocols