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CSS 207

Second Semester M.Sc. Degree Examination, Sept./Oct. 2022

COMPUTER SCIENCE

Mobile Computing

Time : 3 Hours

Max. Marks : 70

Note : Answer **any five full** questions. **Each** question carries **fourteen** marks.

1. a) Compare and contrast various multiple access schemes. 7
b) Explain the applications of mobile computing. 7
 2. a) State the reasons for implementing specialized MAC in wireless networks. 7
b) Explain the various improvements in TCP performance. 7
 3. a) Explain in detail the architecture of GSM. 7
b) Explain the GSM services in detail. 7
 4. a) Briefly discuss about agent discovery in Mobile IP. 7
b) What are the advantages and disadvantages of WLANs ? Explain. 7
 5. a) Write the detail description about IEEE 802.11 architecture. 7
b) What is Mobile ad-hoc network ? What are the characteristics of Mobile ad-hoc network ? 7
 6. a) Discuss in detail Wireless Transaction Protocol. 7
b) Explain about WML script in detail. 7
 7. a) Draw the architecture of WAP and explain in detail. 7
b) What is a Bluetooth Piconet ? How is it formed ? Explain. 7
 8. Write a note on the following :
 - i) HIPERLAN. 5
 - ii) Frequencies of radio transmission. 5
 - iii) Infrared vs. radio transmission. 4
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