

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 600 086
(For candidates admitted during the academic year 2019 – 20 and thereafter)
SUBJECT CODE : 19CS/PE/MC15
M.Sc. DEGREE EXAMINATION, APRIL 2022
INFORMATION TECHNOLOGY
SECOND SEMESTER

COURSE : ELECTIVE

PAPER : MOBILE COMPUTING

TIME : 3 HOURS

MAX. MARKS: 100

SECTION - A

Answer all the questions

10 X 2 = 20

1. Define Mobile Computing
2. List the advantages of wireless LAN.
3. Give some desirable features of Mobile IP
4. Mention the structure of TCP segment.
5. Write the advantages of data dissemination.
6. Write about VANET.
7. Write the challenges in designing an effective WSN.
8. List some OS responsibilities in mobile devices.
9. Write the Pros and Cons of M-Commerce.
10. Mention the basic work of Push technology in Wireless Access.

SECTION - B

Answer any SIX questions

6 X 5 = 30

11. Illustrate the protocol stack of Bluetooth technology.
12. Write about the security levels in GSM.
13. Sketch the application layer protocol in TCP.
14. List down the characteristics of MANET.
15. Write about Distance Vector Protocol.
16. Discuss about Low Energy Adaptive Clustering Hierarchy in WSN.
17. Illustrate about Symbian OS and Palm OS.
18. Write about Mobile Payment System in detail.

SECTION - C

Answer any FIVE questions

5 X 10 = 50

19. Explain about Architecture of Mobile Telecommunication System with a neat diagram.
20. Discuss in detail Fixed Assignment Scheme in MAC.
21. Explain about Transaction Processing Environment in detail.
22. Explain in detail classification of Unicast MANET Routing Protocols.
23. List the attacks and Counter measures to be taken in Mobile Ad Hoc Network.
24. Discuss in detail the special constraints and requirements of Mobile OS.
25. Neatly sketch the structure of M-commerce and explain in detail.
