STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2008-09)

SUBJECT CODE : CS/PE/MC43

M. Sc. DEGREE EXAMINATION, APRIL 2011
INFORMATION TECHNOLOGY
FOURTH SEMESTER

COURSE   :   ELECTIVE
PAPER   :   MOBILE COMPUTING
TIME   :   3 HOURS   MAX. MARKS : 100

SECTION – A

Answer all the questions :   **10 x 2 = 20**

1. What is Pervasive computing?

2. What are the four fundamental paradigms of Pervasive computing?

3. What is PDA?

4. What do you mean by HotSync?

5. What are the contents of java.applet and java.awt packages?

6. Mention the use of Threads.

7. List the two main functions of DTDs.

8. List out the application areas of Voice XML.

9. Write a brief note on Modality.

10. List out the types of Portals.

SECTION – B

Answer any six questions :   **6 x 5 = 30**

11. Explain the three vertical tiers of Pervasive Information Technology.

12. Write short notes on Smart phones.

13. What is a Smart card? Explain.

14. Write short notes on Standard & Enterprise editions of Java.

15. Explain Java card.

16. Write short notes on HTML.

17. Explain Web Services Architecture.

18. Write short notes on Transcoding.

SECTION – C

Answer any five questions :   **5 x 10 = 50**

19. Discuss the principles of Pervasive computing.

20. Explain Television systems in detail.

21. Write short notes on the following:

      i)   Cellular Phones

      ii)   Screen Phones

22. Discuss Java language characteristics in detail.

23. Explain WAP 1.1 Architecture.

24. Explain the following:

      iii)   WSDL

      iv)   SOAP

25. Discuss about Application Server Architecture.

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