

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2004 – 05 & thereafter)

SUBJECT CODE: MT/PE/RP34

M. Sc. DEGREE EXAMINATION, NOVEMBER 2008
BRANCH I - MATHEMATICS
THIRD SEMESTER

COURSE : ELECTIVES
PAPER : RESEARCH TECHNIQUES AND PROJECT MANAGEMENT
TIME : 1 HOUR **MAX. MARKS : 30**

SECTION – A

(2 X 8 = 16)

ANSWER ANY TWO QUESTIONS

1. How to formulate a research problem? Brief on writing hypothesis and result in reports.
2. How will you analyse the collected data and process it.
3. Describe about the formatting and style of reporting.
4. List the characteristics of a Good Report.

SECTION – B

(5 X 3 = 15)

ANSWER ANY FIVE QUESTIONS

5. Define (a) hypermedia (b) E Commerce
6. Name any three attributes of Table tag in HTML with examples.
7. What are the limitations of pure hyper text Markup language?
8. Why forms should be validated? Give any one example for validation.
9. Define (a) Onion skin (b) Movie clip
10. What are banners in multimedia and where it is used?
11. Name any three retouching tools available in Photoshop and mention how to use them.
12. Briefly describe about Layer Styles in Photoshop.



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(PRACTICAL)
TIME : 80 minutes **MAX. MARKS : 40**

1. Design a flying bird animation using Flash and add buttons to stop the bird fly and let it go.
2. Create a flash Movie to permit the customer to change the designs in a baby's shirt.
3. Design an invitation card for out college day, using Photoshop.
4. Create a web page for a textile shop using two frames, one containing the given image and the other showing details of the shop.
5. Use Image ready & create a banner for a sport shop. (Make use of given images)
6. Create a railway reservation form using VBScript and inform the passenger about the ticket booking status.
7. Trace the following curve in Mathcad $r = a \cos 3\theta$.
8. Plot the Hyperbolic paraboloid using Mathcad, $Z = \frac{x^2}{a^2} - \frac{y^2}{b^2}$

