

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 2007
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. Discuss about the data collection and data processing methods.
2. How to formulate a research problem and brief on 'objectives of research'.
3. List the characteristics of good reporting.
4. Discuss in detail about the types of data analysis.

SECTION – B

(5 X 3 = 15)

ANSWER ANY FIVE QUESTIONS

5. Give any five text formatting tags in HTML.
6. What is the significance of form validations using scripting languages?
7. Brief on types of animations possible in Flash.
8. Explain the capabilities of Flash Timeline window.
9. Define the terms 'antialiasing' and 'tolerance'.
10. How are infopalette and History palette useful in Photoshop?
11. Write VB script coding to greet the viewer getting his name through a form.
12. What are the limitations of HTML? How to overcome it?

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BRANCH I - MATHEMATICS
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COURSE : ELECTIVES
PAPER : RESEARCH TECHNIQUES AND PROJECT MANAGEMENT
(PRACTICAL)
TIME : 80 minutes **MAX. MARKS : 40**

1. Design homepage for Stella Maris College Website.
2. Prepare a form for Railway ticket reservation.
3. Create a 3D animation of a flying Bird.
4. Design a cover page using Photoshop for the book 'Analytical Geometry'.
5. Create a text animation using Flash which can be used as Title animation for your College Website of question1.
6. Create a moving Car Animation in Flash.
7. Demonstrate a 2D animation for a function and it's tangent using MATHCAD.
8. Draw a MATHCAD 3D plot.

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