

2005 Z_{13} Exam

22-06-2005

Important Information

You will have until Wednesday the 29th of June to complete *all* 5 questions on this paper. Each question will be marked out of a maximum of 5 marks, and a full score of 25 marks will be scored for complete answers in all sections.

For this exam you might find helpful:

- A computer connected to the internet
- Some tracing paper
- A sense of humour

Please turn over when ready

1 Maths

Rename variables in the following equations to maximise the humour generated by reading them.

(a) The equation of a straight line:

$$y = mx + c$$

(b) The equation for a perpendicular vector:

$$\underline{p} = \underline{a} \wedge \underline{b}$$

(c) The Chapman-Kolmogorov equation:

$$f(x_n|x_s) = \int_{-\infty}^{\infty} f(x_n|x_r)f(x_r|x_s)dx_r$$

[5 MARKS]

2 English

Write a poem entitled "My time as a dog" in no more than 6 words.

[5 MARKS]

3 Science

Dr. Fox (not the DJ - he's not a real doctor at all) has invented frictionless grease. Using this, and any other fictional inventions you see fit, design a perpetual motion device.

[5 MARKS]

4 Art

Using Google Image Search, or other suitable techniques, find an image which portrays shock.

[5 MARKS]

5 ColdC

Find a humorous post on Column C or ColdC. The post must be funny in it's own right, and not rely on the posts around it.

(Nb. You are **not** allowed to choose posts from the 22nd of June 2005 or after).

[5 MARKS]

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