
KENYA NATIONAL EXAMINATION COUNCIL
REVISION MOCK EXAMS 2016
TOP NATIONAL SCHOOLS

MOI GIRLS ELDORET HIGH SCHOOL

232/1

PHYSICS

PAPER 3

MARKING SCHEME

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MOI GIRLS ELDORET KCSE TRIAL AND PRACTICE EXAM 2016

Paper 3

MARKING SCHEME

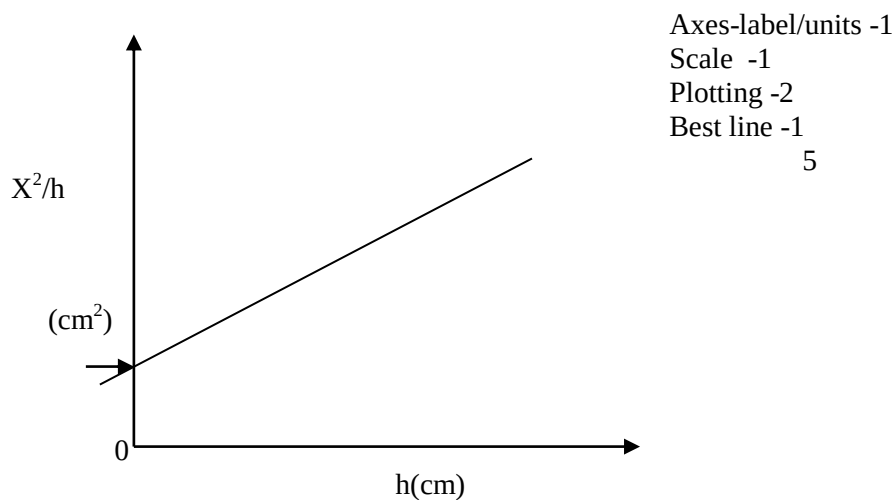
Q1. $h = 5.0\text{cm} \pm 1.0$

Xcm	Hcm	$X^2\text{cm}(\text{cm}^2)$	$X^2/h(\text{cm})$
20.0	5.0	400	400
25.0	7.0	625	89.29
30.0	10.0	900	90.00
35.0	13.0	1225	94.23
40.0	18.0	1600	88.89
45.0	24.0	2025	84.38

± 1.0

Use students own values.

vi)



vii) Shown on graph -by student graph.

xi) 28sec for 20 oscillations (student value within ± 1 seconds).

x) $T = \frac{28}{20} = 1.4\text{secs.}$

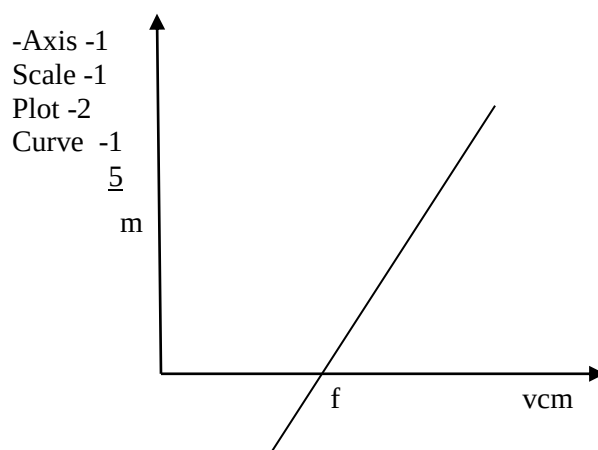
xi) Making P subject and correct substitution best value of student.

Q2. $F = 20 \pm 0.1.$

e)

U	30	35	40	45	50	55
V	58	47.0	42.0	46	34.5	32.5
$M = \frac{v}{u}$	1.93	1.34	1.05	1.02	0.69	0.59

F) Plot.



g) Slope = $\frac{1}{f}$

h) Use the x intercept
When $M=0$, $v = f$.
Or reciprocal of slope = f .