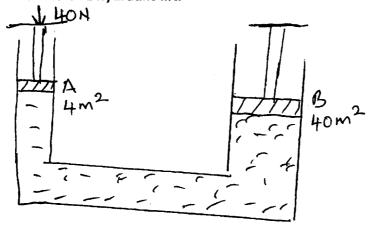
## <u>FATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.</u>

## FORM 2 PHYSICS MID TERM EXAMINATION. TERM 1 2016.



1. The figure below shows a hydraulic lift.



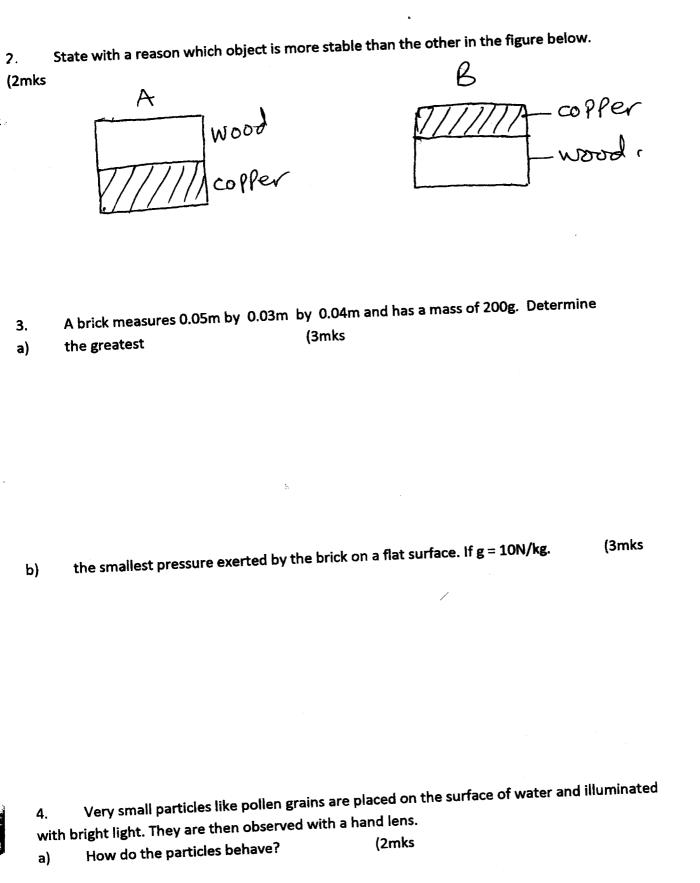
a) Calculate the pressure exerted at A.

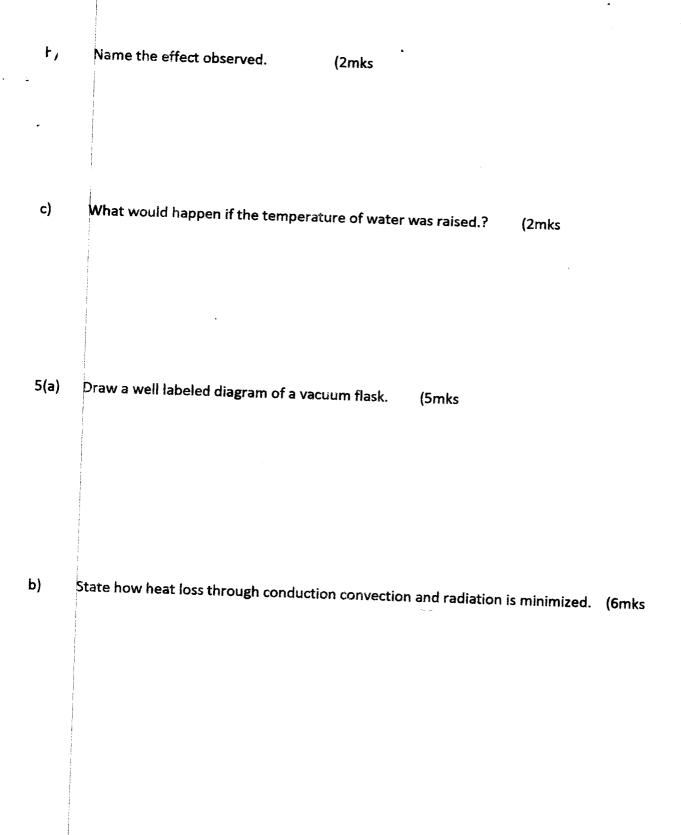
(2mks

b) What pressure is transmitted to point B.. Explain (2mks

c) Calculate the force transmitted to B

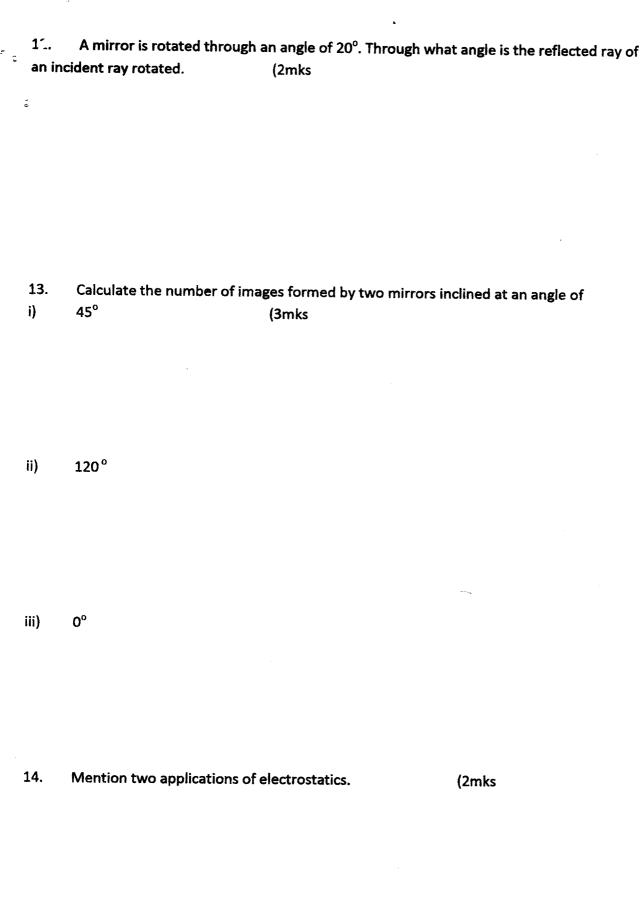
(2mks





	். pheno	Light being a form of menon.	energy travels in straig (3mks	nt lines, with the a	id of a diagram show this
• "	à				
	7.	Draw a diagram to	show solar eclipse by th	e moon. (4	mks
-					
	8.	What do you und	erstand by eclipse?	(2mks	
	9.	A pinhole camer	a of length 20cm is used	d to view the imag	e of a tree of height 12m
	a)	hich is 40m away from Calculate the he	n the pinhole <b>;</b> . ight of the image.	(3mks	

ئد



b', If the camera is moved 10m towards the tree, what will be the height of the tree on the screen? (3mks

c) What is the effect on the size of the image if the object distance is increased? (2mks

10. Complete the diagram below to show how the eye sees the image of the object. (3mks

Object eye.

11. State five characteristics of an image formed in a plane mirror. (5mks

Draw a well labeled diagram of a gold-leaf electroscope.

(3mks

16. Below is a chart showing some electrical appliances. Draw the symbol used in each case.

SYMBOL	
	(4mks
	•
	SYMBOL