Name:								Date				
G H S	S.2 PHYSICS TEST ONE 03/04/2 SUBTOPIC: PINHOLE CAMERA SECTION A											
1.	When a pin-hole camera is moved nearer an object, the size of the image											
	A.	remains the s	ame			B.	becon	ies sma	iller			
	Ն.	becomes larg	er			D.	becon	ies ann	inisned			
2.	In a pi A. B. C. D.	pin-hole camera, sharper and taller images are obtained by widening the hole and moving the object farther narrowing the hole and moving the object nearer using a longer camera with a wider hole using a shorter camera with a narrower hole										
3.	A man film is A.	1.75 m tall sta 0.20 m behind 8.75 m	ands at a l the pin B.	a distance of 2 nhole, find the 4.00 m	7.0 m fr e length C.	om the of the 0.80 r	e pinhol image o n	e of pin of the m D.	hole camera. I an formed on 0.05 m	f the then film.		
4.	An ob pinho A.	iect 6cm high i le to the screer 0.2cm	s placeo 1 is 8cm B.	d 24cm from a , find then siz 2.0cm	a tiny ho ze of the C.	ole in a e image 18.0c	pinhol on the m	e camei screen. D.	ra. If the distan 32.0cm	ce from the		
5.	A man 0.20m A.	1.75m tall sta behind the pir 8.75m	nds at a nhole, fi B.	a distance of 7 ind the length 4.00m	7.0m fro of the C.	om the image o 0.80m	pinhole of the m 1	of a pin nan forr D.	nhole camera. ned on the scre 0.05m	lf the film is een.		
6.	Which A. B. C. D.	 'hich of the following is a false? Pinhole camera produces an erect image. Pinhole Camera produces a shadow Pinhole Camera produces an image Pinhole Camera produces an inverted image 										
7	Pinho	le camera proc	luces ar	ı ?								
<i>.</i>	A. An erect and small image						B.	an ere	ct and enlarge	d image		
	C. an Inverted and small image						D.	An inverted and enlarged image				
8.	What happens to the image produced by a pinhole camera when you move the back wall farther from the pinhole? It becomes											
	A. larger and fainter.						B.	smaller and fainter.				
	С.	larger and br	ighter.				D.	smalle	er and brighter	•		
9.	Who was one of the first persons to make pinhole photographs?											
	A.	Niepce	B.	Talbot	C.	Brews	ster	D.	Grepstad			
10.	What A.	animal uses a j Crab	pinhole B.	to see? Lobstah	C.	Shrim	ıp	D.	Nautilus			
SECTION B												
11.	Define	e the term mag	nificati	on as used in	Physics	and st	ate its S	SI units.		(1mark)		

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	(b)	An obj Calcul (i)	An object of height 5 cm is placed 20 cm from a pin-hole camera which is 5 cm long Calculate; [i] the magnification.					
		(ii)	the height of the image formed.	(2marks)				
12.	(a)	An obj screer (i)	ject of height 4 cm is placed 5 cm away from a pin-hole camera. The n is 7 cm from the pinhole. Draw a scale a ray diagram to show the formation of an image by a pinhole c	amera. (2marks)				
		(ii)	What's the nature of the image?	(2marks)				
		(iii)	Find the magnification.	(2marks)				
		(iv)	Calculate the height of the image formed by the pinhole camera.	(2marks)				
	(b)	Explai (i)	in what happens to the image if; the pinhole is made larger.	(3marks)				
		(ii)	very small.	(3marks)				