nts.	1, ,, ,, ,,			
IPLE CHOICE. Choose th	ie one alternative that be	st completes the statemen	t or answers the question	n.
1) A beam of unpolarized light incident on a block of plastic is reflected completely polarized. In order for this to occur the direction of the reflected light must be				
	the direction of the refrac			
	the direction of the incide	ent light		
D) perpendicular to	the plane of incidence			
2) What nower lens is need	oded to correct the vision	of a near sighted person w	ith a far point of 0.5 m	2)
to normal vision.	eded to correct the vision	of a flear signited person w	itil a lai politi oi o.5 ili	۷)
A) 2.0 diopters	B) 1.0 diopters	C) -2.0 diopters	D) -3.0 diopters	
ri) 2.0 dropters	b) 1.0 diopters	c) 2.0 dropters	2) old diopters	
3) A candle is placed 0.2 r	n in front of a converging	lens with a focal length of	0.5 m. The image will	3)
be and		· ·	O	,
A) real, enlarged		B) real, reduced		
C) virtual, enlarged		D) virtual, reduced		
4) A spy camera on a sate	llite takes pictures from a	n altitude of 4.0 km and ha	ns a diameter of 25 cm.	4)
	_	two points that can be rese		,
average wavelength of		•	`	
A) 0.10 cm	B) 15 cm	C) 1.0 cm	D) 40 cm	
5) When a convex lens is	placed on a flat sheet of g	lass, Newton's rings are fo	rmed by interference	5)
· ·		o surfaces. The distance b	-	,
		ng from the center of the le		
$=1.60$, $n_{glass} = 1.50$)	O			
A) 375 nm	B) 190 nm	C) 255 nm	D) 450 nm	
11) 57 5 IIII	<i>b)</i> 170 mm	C) 255 IIII	D) 400 IIII	
6) In a true alit interferon	as avnariment light is nos	and through two slits a dis	tanca d apart forming	6)
6) In a two-slit interference experiment light is passed through two slits a distance d apart forming an interference pattern on a distant screen. If the distance between the slits is decreased by a				
_		d then the distance between	-	
	will be multiplied by a fa		ii tile Celitiai maximum	
A) 1	B) 4	C) 1/4	D) 2	
11) 1	D) ±	C) 1/1	D) 2	
7) A student sees her refle	ection in a mirror with a f	ocal length of 0.50 m with	a magnification of 2.5.	7)
How far is her face from		9		,
A) 0.18 m	B) 0.60 m	C) 0.23 m	D) 0.30 m	
,	-, ·····	-,	-, · · · · ·	
8) When unpolarized ligh	it is passed through two F	Polaroid filters the intensity	of the light is reduced	8)
		en the transmission axes of		~,
A) 56 °	B) 42 °	C) 27 ^O	D) 35 °	
,	~, - -	~, _ .	-,	

Quiz 2A

,	g 10 cm in length has 0.80 : ngth of 500 nm occurs at ar		econd order maxima for	9)		
A) 53 °	B) 27 °	C) 38 °	D) 64 ^o			
	9) You are planning to use a projector to produce an image of an object 25 mm high on a screen 3.0 m away from the lens. If you want the image to have a height of 0.50 m what is the focal length of					
the lens you would	,	C) 312 mm	D) 55 mm			

Answer Key Testname: QUIZ 2

- 1) B 2) C 3) C 4) C 5) A 6) B 7) D 8) D 9) A 10) A