Name:							1st YEAR Test Session 2021-22										Physics				Time Allowed: 45 M			
Roll# Section:						Syllabus: Ch#09										Total Marks: 30				Obt Marks:				
Think Positive, Liv						ve H	арру							Ch	ange Thoughts, Chan				ige Society					
Q#	Α	ВС	D	Q#	Α	В	С	D	Q#	Α	В	С	D	Q#	Α	В	С	D	Q#	Α	В	C D		
01.		00	0	02.	0	0	0	0	03.	0	0	0	0	04.	0	0	0	0	05.	0	0	0		
06. 0 0 0 07. 0							0	0	08.	0	0	0	0	09.	0	0	0	0	10.	0	0	00		
Q.	You have four choices for each objective type question as A, B, C and D. The choice which y													ch you										
No.	think is correct, Fill bubble sheet that option. Cutting, Over-writing, using lead pencil and														il and									
1	filling more than one circle will result in zero marks in that question. (10x1=10)																							
Sr.#		Questions							A					В	C			C	D					
1	P	Polarization of light pro					that	ligl	Particle				E.N	M way	ve]	Both			Matter				
2		Bending of light around obstacles it							Interference				Diffraction			1	Reflection			Refraction				
3	110000	ainbov	on s	esul	t is		Interf	ce		Di	ffracti	on Reflecti			ectio	on Refractio			on					
4	15/15/10	If λ=589nm, d=1mm & L=2.25m t Δy=?								1.33m				1.33nm			1.33km			1.33mm				
5		The center spot of Newton dark due to interference								Constructive				Destructive			Both			None				
6	T	he Bra	gg eq	uatior	is :	2d si	d sinΘ= nλ						mλ				1			0				
7	11.00	Double slit experiment is bastudy of						ally Interference				CO	Diffraction			1	refraction			reflection				
8	Y	Young's Experiment was performed in							1805 EDUCA			ONA	1801		1		1901			1905				
9	T	The light energy from lumino source travels in space as war was proposed by							Huyg	en's	D		Yo	oung's		1	Einstein			Plank's				
10	_	A common method to p					uced	1	mono	mat	natic		White		1	red		Non						
	1000	two coherent light bear use Source			beam is to								7							chromatic				
	u				ce				Chir			niot												
Q#:2 Answer the Following short Questions (6x2=12)																								
i.	How would you distinguish between							wee	en un- ii.					What do you know about optical rotation?										
		polarized and plane polarized ligh																						
iii.		Why the Polaroid sunglasses are be							etter than iv.				How the crystals produce diffraction by x-								/ X-			
		ordinar	. 12					ray?																
v.	v. An oil film spreading over a wet for shows colors. Explain how does it											vi.	What is the function of Michelson's											
	S	shows o	colors	. Exp						alay a	•		15.54	terfer			6)							
Q#:3 Answer the Following short Questions (5+3=8) (a) Explain the young's double slit experiment?																								
			-	_										**		A STATE OF	chara-			200	vo 11	ar San		
(7	Sodium centime	_		-										•	a g	gratii	ng h	avıng	300	OU lii	nes per		