Paper: <u>Physics</u>	SPUBLIC SCA	Total Mar	ks: <u>12</u>	
Month Test: <u>Annual</u>	* KPS *	Obt. Mark	s:	
Theme/Unit:Full Book	** Since 1400 **	Grand Tot	al: <u>75</u>	
Objective:	Signature:	Time: <u>1</u>	5 mins	
Roll No:		Section: _		
	Pre Board Ex	ams (12		
Q. No. 1: Encircle the cor	rect option:	/12		
1. In SHM velocity at ex	streme position is:	_		
a. Maximum	b. Minimum	c. Zero	d. Infinite	
2. The unit of frequency	y is:	_		
a. N	b. M	c. Pa	d. Hz	
3. Conditions for total ir	nternal reflection are:			
a. 2	b. 3	c. 4	d. 5	
4. 1uc =	_C.			
a. 10 <sup>-3</sup>	b. 10 <sup>-6</sup>	c. 10 <sup>3</sup>	d. 10 <sup>6</sup>	
5. The equation of elec	tric intensity is:			
a. E = q/F	b. q = EF	c. E = E/q₀	d. F=Eq	
6. If 0.5s charge passes through a wire in 10 seconds, then current will be:				
a. 20A	b. 5A	c. 50mA	d. 5mA	
7. The presence of magnetic field can be detected by:				
a. Small		c. Stationary		
b. Mass		d. +ve charge		
8. A device which is used to increase or decrease the alternation voltage is called:				
a. Transformer		c. Generator	-	
b. Motor		d. Voltmeter		
9. In tungsten filament the potential given to produce the beam of electron by				
thermionic emission	is:			
a. 6v	b. 7v	c. 8v	d. 9v	
10. One byte is eq	iual to:			
a. 10	b. 8	c. 6	d. 4	
11. The brain of a	nv computer system is:			
a. Monitor	,	c. CPU		
b. Memory		d. None		
12. One of the isotopes of Uranium is $^{238}$ U. Find the number of neutrons				
a. 92	92	c. 238		
b 146		d 330		
0. 110		u. 000		

2 Physics, 10th, Annual (2020) Roll No:

Paper: Physics	Total Marks: 63			
Month Test: Annual	Obt. Marks:			
Theme/Unit: Full Book	Grand Total: 75			
Subjective: Signature:	lime: <u>2 hours</u>			
Roll No:          class:         10th	Section:			
Pre Board Exams	40			
Q. No. 2: Answer the following Questions:	/10			
2) Define and describe physical properties of musical sound?				
<ul> <li>2) Define and describe physical properties of musical sound?</li> <li>3) On which factors does frequency of tuning forks depends?</li> </ul>				
4) On what principle D C motor work?				
5) State Lenz's law?				
Q. No. 3: Answer the following Questions:	/10			
1) Define Snell's law? Write its formula.				
2) Write conditions of total internal reflection?				
3) What is telecommunication, write its two sources.				
4) Where is coaxial cable wire used?				
5) What is meant by half life?				
Q. No. 4: Answer the following Questions: /10				
1) What is relation between digital qualities and digital electronics?				
2) What is meant by logic states?				
3) Diamond does not conduct electricity however, it is good at conducting heat, explain.				
4) How we measure e.m.f of a battery?				
5) Describe the construction of capacitor?				
Long Questions: /33				
<b>Q. No. 5: (a).</b> Write the applications of Total internal reflection. (Any three). /6				
(b). A sound waves has frequency of 2 kHz and wavelength 35cm, how long will it take to				
<b>O No. 6: (a)</b> Describe electrical energy with the help of Joule's law /6				
(b). A capacitor holds 0.03 coulombs of charge when fully charged by a 6y battery. How				
much voltage would be required for it to holds 2 coulombs of charge? /5				
Q. No. 7: (a). Explain CRO and its components. /6				
(b). Cobalt 60 is a radioactive element with half-life of 5.25 ye	ears. What fraction of the			
original sample will be left after 26 years?	/5			