The second secon	th Class 2021	
Physics	Group-II	Paper-I
Time: 15 Minutes	(Objective Type)	Max. Marks: 12
Note: Four possible	e answers A, B, (and D to eac
question are	given. The choice	which you think i
correct, fill th	at circle in front of	that question wit
filling two or	n ink in the answe	r-book. Cutting o
that question.	more circles will res	uit in zero mark ii
1-1- Which of the	nato is used to a	annent ana laat
level into opi	osite logic level?	onvert one logi
	(b) OR gate	
(c) NOR gate	(d) NOT gate	· /
2- How will b	e electric lines	of force where
intensity of e	lectric field is max	imum?
	(b) +ve to -v	
(c) Narrow ✓	(d) -ve to +v	e
3- If the curre	nt in a wire w	hich is place
perpendicula	r to a magnetic fie	ld increases, the
lorce on the V	vire:	
(a) Will be zer	(b) Remains	the same
(c) Decreases	(d) Increases	V
4- In which sta	ite of matter lon	
move feeter?		gitudinal waves
move laster?		gitudinal waves
(a) Liquid	(b) Solid ✓	
(a) Liquid (c) Gas	(b) Solid ✓ (d) Liquid and	
(a) Liquid (c) Gas Isotopes of hy	(b) Solid ✓ (d) Liquid and drogen are:	
(a) Liquid (c) Gas Isotopes of hy (a) 2	(b) Solid ✓ (d) Liquid and vdrogen are: (b) 3 ✓	gitudinal waves
(a) Liquid (c) Gas - Isotopes of hy (a) 2 (c) 4	(b) Solid ✓ (d) Liquid and vdrogen are: (b) 3 ✓ (d) 5	d gas
(a) Liquid (c) Gas - Isotopes of hy (a) 2 (c) 4 - Speed of sour	(b) Solid ✓ (d) Liquid and /drogen are: (b) 3 ✓ (d) 5 ind in hydrogen at (d gas
(a) Liquid (c) Gas lsotopes of hy (a) 2 (c) 4	(b) Solid ✓ (d) Liquid and vdrogen are: (b) 3 ✓ (d) 5 nd in hydrogen at (d gas

7	Which of these is not a web browser?	
7-	(a) Youtube (b) Chrome	
	(c) Mozilla firefox (d) Safari	
0	The refractive index of medium is equal to:	
8-		
	(a) $n = \frac{1}{cv}$ (b) $n = \frac{v}{c}$	
	c	
	(c) $n = cv$ (d) $n = \frac{c}{v} \checkmark$	
9-	The image formed by convex mirror is:	
	(a) Real and erect (b) Inverted and real ✓	
	(c) Erect and virtual(d) Inverted and virtual	
10-		
:	(a) 10^{-3A} (b) 10^{-6A}	
	(c) 10^{-9A} (d) 10^{-12A}	
11-	According to Coulomb's law, what happens to	
- 1	force of attraction of two oppositely charged	
	objects as their distance of separation	
	increases:	
	(a) Decreases V.Pk	
	(b) Increases	
	(c) Remains unchanged	
12-	(d) Cannot be determined	
12-	In parallel combination of resistors, each	
	resistor will have the same:	
	(a) Resistance (b) Voltage and current	
	(c) Voltage (d) Current	