## RWP-10-G1-20

☆☆	S.S.C - (Part-II)-	A-2020	
أميدوارفودير كر	(For all sess	ions)	Paper Code 7 4 7
	ے-Group-I	گرو.	
Physics (Objective Type)	(Bro) () •		ل <b>س (</b> معروضی)
Marks: 12	Time: 15 Minute	وتت 15 منك es	12
س جواب کوآپ درست سجھیں، جوالی کا پی پراس سوال نمبر	ندجواباتC,B,A,اور D دیئے گئے ہیں،? رہند کی ایس کی	ٹی پر کٹھیئے ہرسوال کے جارمکہ میں میں میں اور کا کہا	ہ: قمام سوالات کے جوابات دی گئی معروضی جوابی کا کے سامنے جزو C,B، A یا D کے دائروں ا
NOTE: Write answers to the questions of			
question are given. Which answer you con	sider correct, fill the corres	ponding circle A,E	3,C or D given in front of each
question with Marker or pen ink on the ar	swer sheet provided.		
1.1. The output of a NAND gate is 0 w	hen:		<ol> <li>نینڈ گیٹ کی آؤٹ یٹ 0 ہوگی اگر:</li> </ol>
	0 and B=0 (C)	A=0 and B=1	(D) A=1 and B=1
2. The brain of any computer is:	o und b o (o)		2. کی میواسم کادماغ ہے:
(A) Control unit کشرول یون (B) Mo	onitor بنار (C)	memory ييوري	(D) CPU えらび
3. What happens to the atomic number		ابتوال کے اٹا کم نمبر	3. جبالك الميمن الك ماليارتكل خارج كرة
eject a beta particle?			بكيار پر ١٤٠٠
ایک بره ما کا ۱ ا	(B)	Stay the same	کوئی فرق نبیں پر ہے گا
(C) decreases by 2 82 000 000	(D)	decreases by 1	ایک کم ہوجائے گا
4. Which one of the waves cannot p	ass through vacuum?	1	4 کون ی و یوز و یکیوم میں ہے نہیں گزر سکتی ہیں
(A) Sound waves آوازکي ويوز	(B)	Radio waves	ريد يوويوز
ویژن کی وایوز (C) Television waves	(۵) کی	Light waves	لائث ويوز
5. The loudness of sound is most clo			5. ساؤنڈ کی لاؤڈنیس کازیادہ تر انحصار ہوتا ہے:
		Wavelength 2	اليميلي ثيوز D) Amplitude) ويولينكور
6. The speed of light in air is 3x108n	ns <sup>-1</sup> and in glass 2x10 <sup>8</sup> ms <sup>-1</sup>	س ميں ا	6. موامین روشنی کی سپینی <sup>1 -</sup> 3x10 <sup>8</sup> ms جبکه گلا
The refractive index of glass s	0,		2x10 <sup>8</sup> ms <sup>-1</sup> عبے۔گلاس کاریفر یکٹوانڈ ک
(A) 0.67 (B) 1	00 (C)	1.5	(D) 2.00
7. An ophthalmologist places a 2.00	55 CO 100	ينزكما تدورتاب	7. ايك ابرچثم 2.00D كالنز 0.35D كا
			نواس ممینیشن کی یاور ہے:
0.35 D lens.The power of combina		2.00 D	
(A) 0.35 D (B) 1.6	05 (0)	2.00 D	D) 2.35 D کپیی ٹینس کی تعریف اس طرح کی جاتی ہے
8. Capacitance is defined as:  (A) V/C  (B) Q	\/ (C)	QV	(D) V/Q
(A) V/C (B) $\Omega$ 9. What is voltage across a 6 $\Omega$ res		النب گذرتا يمواس	S ایک Ω 6 کرد سریس سے جب 3A کا
current pass through it?	istor, which or to	•	رزسر کے اطراف وولیج ہوتا ہے:
(A) 2V (B) 9V	(C)	18V	(D) 36V
10. What is the power rating of a lam			1. 12V كى مورى سے جوڑے گئے ايك ليپ
source, when it carries 2.5 A curre		,	جبكدال مين 2.5A كاكرنث ببدر باجو؟
(A) 4.8 W (B) 15		30 W	(D) 60 W
11. Lenz's Law is in accordance to th		ابق ہے:	
(A) energy (3.2) (B) m	ass ال (C)	momentum	چارچ charge, (D) موسیط
12. Electron gun has an electrode which	controls the flow of electron	بهاؤ كوكنثرول كرتابي ٢٦	'. الكِتْرون عن مِن ايك الكِتْرودْ جوالكِتْرون ك
الرین (A) Screen	(B)	Grid 3	
(C) Anode see	(D)	Deflecting plate	زىغلىكنى پلىش es
25.000	25-10-A-☆☆		

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Roll I	امیددادفوردکرے (For all se	ssi	ons)		1.
	.پ. I	5		س (انثائيه)	ور"
ال نبر:48				1:45	
	·		كففرجوامات كعنه	رج دیل عل سے ول سے یا تج اجرا	
	شن سے کیام ادہے؟ الله مردول کی نبیت عورتوں کی آوازبار یک کیوں ہوتی ہے؟	زي فلي	4	یں دیں میں سے دی ہے ہاں۔ ٹرانسورس و بوز کی تعریف کریں اورا <i>ا</i>	
	یامراد ہے؟ ۱۷ روشنی کی رفریکشن کے توانین بیان کریں۔			را سورن دیون سر بیت رین ادر ا وابسریزی موش کی تعریف کیجیئے۔	
	ير کونې ل فري کونې معلوم کرين جبکه ساؤنڈ کی سپير <sup>1-</sup> 340msود وږدينگنجه			/*	
40-5-0	ن کر نیون معلوم کرین جبله سا و ندن شبید ؟ 340ms اوروبو پیستھ  70.5m	2923	4 .	کپاؤنڈ ہائیکر دسکوپ کی تعریف کیجیئے	
10=5x2	المات تحرير يرس iii ايميو كياب؟ ال كوسرك مي كيي جوز اجاتاب؟			رج ذیل میں سے وقی سے پانگ اجزاء	
				کولمب کا قانون بیان کریں اوراُس	
	شن سے کیامراد ہے؟ ۱۷ ری نے کیا ہے؟ اس کا لیک استعال تحریر کریں۔ در کا رہے تر مصدات میں میں کہ			ٹرانسفارمرکیاہے؟اس کی اقسام تحریر کُ	
	ندار کلوواٹ آور میں معلوم کرنے کا فارمولاکھیں۔	. کی کی م		النيكشرونك كرنث اور كنوشنل كرنث _	
10=5x2	6 7/ /	,		رج ذیل میں ہے کوئی سے پانکی اجزا	
	اليميين كي تعريف كلهين - الله باف لائف كي تعريف كلهين -			NOR گيٺ کي تعريف کريس اورا	
	ر غیر قیام پذیر نیونکلیائی میں فرق کلیس ۔ ۱۷. الیکٹرونک میل کے دونو اکد کلیس ۔			سينذري سنورج فريوائس كي كهتي	.iv
	زری ایمٹر میں فشن ری ایمشن کوکس طرح تنفرول کیا جا سکتا ہے؟	يك نيوكك	ونکس میں کیا فرق ہے؟ Vill اَ	اینالاگ مقداری اوراینالاگ الیکثر	.vii
18=2x9	شهدوم	0	162 426 4	10.00	. 1
			1.	ف: ورج زيل عن سے كولى سے و	
04			وں ہے واضح تھیئے۔	(الف) مليكل ويوزى اقسام مثال	.5
05	سامت کی در چوکل المیح بنا تا ہے۔ لینز کوکہال پر رکھنا جا بیئے ۔	مين گناج	اله 6cm ہے۔ جسم کی جیامت سے	(ب) ـ ایک کنویلس کنوکل و کل سند	
04	. The cont		(انداز ہونے والے عوال کر پر کریں۔ مدر	(الف) يمي كند كثر كى رز منس	.6
05	50 وليفطل والي يوائث رينتقل كياجاتا ہے۔ جارج كى مهيا كروه انر جى كى مقدار كيا ہوگى؟	ے ۷			
04			ل دو حقول كي وضاحت كري -	(الف) _ كيتھوڈ رے اوسيلوسكوپ كے ك	.7
05	ين 368 كاؤنث في منت ب_ والته معلوم كري بس مين كاؤنث ريث 23 كاؤنث في	أؤنث	ہاف لائف 10 منٹ ہے۔ایندانی کا	(ب)_ايكريريوا يكوالليمنك ك	
	-			منٹ ہوجائے۔	
Time. I.	45 Hours	ion-	·I	Marks:	40
2- Write	short answers of any five part from the following.			2x5	=10
	fine the transverse waves and write its one example.		What is meant by re		
	ny the sound of women is shrill as compared to men? that is meant by SONAR?		Define vibratory mo State the laws of re		
	fine the compound microscope.	VI.	State the laws of re	raction of light.	
	lculate the frequency of a sound wave if speed of so	und v	vave is 340 ms <sup>-1</sup> and	wavelength is 0.5m.	
	short answers of any five part from the following.				
	ate Coulomb's law and write its formula.				=10
iii. W			Write two uses of ca		=10
100	nat is Ammeter?How is it connected in a circuit?	iv.	What is transformer	?Write its types.	=10
	nat is meant by mutual induction?	iv. vi.	What is transformer Define Relay.Write	?Write its types.	=10
vii. Wh	nat is meant by mutual induction? nat is the difference between electronic current and c	iv. vi. onve	What is transformer Define Relay.Write	?Write its types.	=10
vii. Wh	nat is meant by mutual induction?	iv. vi. onve	What is transformer Define Relay.Write	?Write its types.	
vii. Wh viii. Wr 4- Write s i. De	nat is meant by mutual induction?  nat is the difference between electronic current and continuous ite the formula to find amount of energy in Kilowatt-hishort answers of any five part from the following. If the industrial is a symbolic diagram.	iv. vi. onve our? ii.	What is transformer Define Relay.Write ntional current.  Define thermionic er	?Write its types. its one use.  2x5	=10
vii. Wh viii. Wh 4- Write s i. De iii. De	nat is meant by mutual induction? nat is the difference between electronic current and crite the formula to find amount of energy in Kilowatt-hishort answers of any five part from the following. fine "NOR" gate and draw its symbolic diagram. fine Half-life.	iv. vi. onve our? ii. iv.	What is transformer Define Relay.Write ntional current.  Define thermionic er What are the secon	?Write its types. its one use.  2x5 nission. dary storage devices?	=10
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vii. Wh viii. Wr 4- Write: i. De iii. De v. Wr vii. Wh viii. Ho Note: A (a) Expla	nat is meant by mutual induction?  nat is the difference between electronic current and contite the formula to find amount of energy in Kilowatt-hashort answers of any five part from the following.  fine "NOR" gate and draw its symbolic diagram.  fine Half-life.  ite difference between stable and unstable nuclei.  nat is difference between analogue quantities and analy its difference between analogue quantities and analogue quantities analog	iv. vi. onve our? ii. iv. vi. alogu on -	What is transformer Define Relay.Write Intional current.  Define thermionic er What are the secon Write down two adv ise electronics?	?Write its types. its one use.  2x5 nission. dary storage devices? antages of electronic	=10 mail
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vii. Wh viii. Wr 4- Write: i. De iii. De v. Wr vii. Wh viii. Ho Note: A (a) Expla (b) A cor Where n (a) Write (b) A poi	nat is meant by mutual induction?  nat is the difference between electronic current and contite the formula to find amount of energy in Kilowatt-hishort answers of any five part from the following. If the short answers of any five part from the following. If the short answers of any five part from the following. If the short answers of any five part from the following. If the difference between stable and unstable nucleicate is difference between analogue quantities and any with the significant is controlled in a nuclear reactor?  Sectionswer any two questions from the following.  In the different types of mechanical waves with example the short and th	iv. vi. onvector vi. iv. vi. iv. vi. iv. vi. vi. vi. allogutor - onples virtuatir dep	What is transformer Define Relay.Write Intional current.  Define thermionic en What are the secon Write down two advice electronics?  II  al image three times to bends upon.	?Write its types. its one use.  2x5 nission. dary storage devices? antages of electronic  9x2=	=10 mail =18 04 05
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which count rate reaches 23 counts per minute. 26-10-A-57000

(b) Half life of radioactive element is 10 minutes. If the initial rate is 368 counts per minute, find the time by 05