₩ T	S.S.C-(Part-II)-A-20	F	er Code 7 4 7 2
اميددارخوديركرك	(For all sessi	ons) Pape	er Code 7 4 7 2
	پ-Group-II	گرو	
Physics (Objective Type)	Rwp-42	21_	فرنس (معروضی)
	Ti 15 Minutes	. 4 24 15 34	المبر:12 أما القالم ا
ر، جس جواب کوآپ درست مجھیں،	مکنہ جوابات C,B,A, اور D دیئے گئے ہیں میں اور کا کہ کا کہ میں کا کہ اور کا دیئے گئے ہیں	جوائی کا ٹی پر لکھیئے ہرسوال کے جارم C.F. کی ایک دائر میں میں	نوٹ: تمام سوالات کے جوابات دی گئی معروضی جوابی کا پی پراس سوال نمبر کے سامنے جزو A ، B
to the guestions on	objective answer sheet pro	ovided. Four possible	answers A,B,C & D to
each question are given. Which answer you	consider correct, fill the co	orresponding circle A,	B,C or D given in front of
each question with Marker or pen ink on the	e answer sheet provided.		
1.1. Waves transfer:	•		1.1. ويوزنتقل كرتى بين:
ولائل (A) Velocity	(B)	Energy 15.51	
(C) Wavelength ولينتاج	(D)	فریکونی Frequency	
2. The unit of intensity of sound is:			2. آواز کی آنگیسٹی کا پونٹ ہے:
(A) Wm ⁻² (B) Wm	1 ² (C)	Wm ⁻¹	2. آواز کی آئینسٹی کا پیٹ ہے: (D) Wm 3. سنیل کا قانون ہے:
3. Snell's law is:		$\sin i$	ندند.
(A) $n = \frac{\sin \gamma}{\sin i}$ (B) $n = \frac{\sin \gamma}{\sin i}$	$= sin\gamma$ (C)	$n = \frac{1}{n}$	(D) $n = \sin \gamma$
4. The S.I unit of electric field intensity	y is:	X	4. اليكثرك فيلذ انتينس كا 5.1 يونث ب
(A) NC ⁻² (B) NC		NC	D) Nm) 5. کی کپیسٹر کی کپیسی ٹیٹس برابر ہوتی ہے
5. Capacitance of any capacitor is eq		OII	(D) $\frac{1}{1}$
(A) $C = \frac{Q}{V}$ (B) $C = \frac{Q}{V}$	$=\frac{V}{Q}$ (c)	Qr	\overline{QV}
6. Formula of e.m.f is:	200		6. ای-ایم-ایف کاکلیے:
	Q (C)	$F = \frac{W}{-}$	$(\mathbf{D}) E = \frac{W}{Q}$
(A) $E = \frac{Q}{W}$ (B) $E = \frac{Q}{W}$	(C)	$E = \frac{w}{t}$	(D) Q
7. The unit of electric power is:	(6)	فیریڈ Farad	7. الكثرك پاوركايونث ہے: جول Joule (D)
(A) Ohm less (B) Wa	att واث (C)	raiau 🛴 🛴	8. ایک آئیڈیل ژانسفار مرکیلئے:
8. For an ideal transformer (A) P _p <p<sub>s (B) P_p:</p<sub>	>P _s (C)	P _p =P _s	(D) $P_p \neq P_s$
(A) 1 p 1 s	^ -	×	*
•	$^{\sim}$ \rightarrow	^	9. ال گيٺ سے كونسالا جك آپريشن حاصل:
9. Which logic operation is formed by the	is gate? B	12,199	الما الما الما الما الما الما الما الما
(A) AND ابند (B) NA	AND نيځ (C) OR آر	(D) NOR Jt
(A) AND نيا (B) NA 10. Boolean expression of NOR gate			10. نارگیٹ کی پولین مساوات ہے:
v . n (D) V-	-V+B (C	$X = \overline{A + B}$	(D) $X = \overline{A.B}$
11. Number of components of compu	iter based information sys	رادے: stem is:	11. کمپیوٹر بیٹر انفار میشن مسئم کے اجزاء کی تعا
(A) 3 (B) 4	()	5 (4 (17)	6 (D) 12. جب ایک ایلیمنٹ الفایار مُنگل خارج کرتا۔
12. What happens to the mass number	er of an element which	ہے تواں نے اتا مک ما ل پر	۱۲ بعب بیدا معطی اها پارس حارج کرتا۔ کیا اثر پڑے گا؟
emits one alpha particle? (A) Decreases by 2	(E	Decreases by 4	8 كم بوجائح
(C) Increases by 2 \$2 \ \(\frac{1}{2} \) \(\frac{1}{2} \) \ \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\f) Increases by 4	826014
(0)	N		

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		S.S.C - (Part-II) -A-2022	1 . 4	
Roll No	أميدوارخود پُركر	(For all sessions)	ل (انثالی)	فوتس
	0	اروپ-II	1:4 <u>کمن</u> ے	
كل نمبر:48	Ø,	متداول ۲۰۰۵ می	1:4 سے ذیل میں سے کوئی ہے پانچ اجزاء کے مختصر جواہات لکھیے	
	("/ 5/	22-2 اکانسا کا ii. سل اور میری کے درمیان فرق کھیئے۔	ری میں سے وق سے پانی ابراہ کے صفر جواہات معیم بشرک پاورکی تعریف کیجیئے اوراس کا بوٹ ککھیئے ۔	ن الي i. الي
اس کی مساوات کھیں۔	iii. فيوژن ري ايکشن کي تعريف کيجيئے اور ا	۱۱. عن اور میری حدد رمیان فرق طیعے _	اؤے کے الیکٹر دمیکنیک اندکشن کے قانون کی تعریف کھیئے۔	iv. فيرا
اکومساوات ہے ظاہر کیجیئے ۔	vi ₂₇ Co ⁶⁰ .vi سے کیماؤی کے تعمل	vi. ایک سر کٹ میں ووقیج کی مقدار معلوم کرنے کیلے	- کراؤنڈریڈی ایسٹز کی وجوہات مجھیئے۔	الا. بيا
				3- ورج
10=5x2 نسانی مساوات ککھیں	- iii. كولمب لا كى تعريف كريس اوراس كى «		رتوں کی آ واز مردوں کی آ واز سے باریک کیوں ہوتی ہے؟ مدیر پر برون میشر سیٹر سے میں سے کا	.1
لی آوازوں میں کیافرق ہے؟	Ni. الشراسا وُنِدُ اورِ عام طور پرسی جا کینے وا	۷. براؤزركياب؟اس كى دومثاليس لكيسيئ	بیوٹر بیپڈ انفارمیشن سٹم کے اجزاء کے نام کھیں۔ بیوٹر ورڈ پر وسدیگر کی کوئری دخصہ و استحاب پر	ان کی vii کم
ی ٹینس کیے معلوم کریں گے؟	نُن كاوُ ايا كرام بنا ئيں اور اس كى ايكويلنك كپ	VIII. من توسطرزدCa،C1 اورC3 کیلئے پیرالل لکلٹ	بیوٹرورڈ پروسینگ کاوئی ی دونصوصات تریکریں۔ ایل میں سے کوئی سے پانچ اجزاء کے مختر جوابات کھیے	4- رين
10=5x2		نا. کرسٹ اور رف سے کیام رادہے؟	میں میں میں ہواہات ہے۔ لیواور کنویکس مرر میں کیا فرق ہے؟	
ئن زیادہ ہوتی ہے؟	iii. کن دوعوامل کی مددے تقرمیونک ایمید	٧ روشي کې و پکشن کرتی نیر لکه پر	پڈاوی لیشنز کی تعریف کیجئے اور اس کی ایک عملی مثال کھیئے ۔	iv. ئى
ہے اوراس کا ٹروتھ ٹیبل کھیئے۔	NOR .vi گیٹ کی علامتی ڈائیا گرام بنا نعلقہ کی سامت	الله و بوک وارځی فریکنی اور و د لینکلته ک روی از آ	لاگ اور ڈیجیٹل الیکٹرونکس میں فرق بیان کیجیئے۔	iv. ايط
	ا کن مساوات اخذ کریں۔	عند دوم عند دوم	ورن و ل ميں سے كوئى سے دوسوالات كے جواہات	. 4.0
18=2x9		_11///	دران دیں میں سے وی سے دوسوالات کے جواہات	(1) 5
04=2+2		اهتی تدامیر بیان تجیئے۔	ا ایس کے دوخطرات اوران سے بچاؤ کی تفا ایس کا میں میں میں 15000 کی ایس میں	رار (ر
كيليخ بنايا 05	22 یا220V کے سرکٹ میں استعال کرنے	95 12 ق رز مس پر چل رہا ہے۔ کیا پی بلب 20۷	ب)۔ایک چیکتے ہوئے بلب پر 150W لکھا ہوا ہے جو ہے حمالی طور پر وضاحت کریں۔	گیا
	•	سے ثابت کریں کشش ماں جمایقنی ٹیس	ب) -اليكثرونيك عكس انذكش كي تعريف كرس بيركر مي	6. (الة
04	_	تلیسٹی لرا معام پر	ما) - قابل ساعت مدسم ساؤنڈ اور پیوں کی سر امر مساق	(ب
05		1 (10 (1 DC 11 Shalfill)	←) یعصوڈ رے اوسلوسکو بے مقاصد کی نشائدھی کر ب). (الق
04=2+2 05	اسطح پر"g" کی قیمت کیاہوگی؟	ربر کے جاتا ہے۔ پنڈولم کا پیریڈ 4.95 ہے۔ جاندک) - ایک خلاباز پنڈولم کوجس کی لمبائی 0.99m مے جان	رب
		n-II (For all session	ne)	
Physics (Essay Type) Grou	p-II (For all session	Total Mari	ks: 48
Time: 1:45 Hou	rs	Section-I		2x5=10
Time: 1:45 Hou	rs newers of any five part fr	om the following.	between a cell and a battery.	
Time: 1:45 Hou 2- Write short ar i. Define elec	nswers of any five part fr	om the following. ii. Differentiate equation. iv. State Farada	between a cell and a battery. ay's Law of electromagnetic induc	
7:45 Hou 2- Write short ar i. Define election Define Fus	nswers of any five part for ctric power and write its un- tion reaction and write its	ii. Differentiate equation. iv. State Farada	y's Law of electromagnetic induc	
2- Write short ar i. Define election ii. Define Fus v. What is the vi. Write the	nswers of any five part from the circ power and write its under the circ power and write its under the circ power and write its to be basic difference between a decay (Gamma decay).	om the following. ii. Differentiate equation. iv. State Farada a motor? process by equation for Cobalt	ly's Law of electromagnetic induction $_{27}Co^{60}$.	
2- Write short ar i. Define electiii. Define Fus v. What is the vi. Write the co	nswers of any five part five tric power and write its under the basic difference between the decay (Gamma decay) reduces of background radional control to the basic work and the background radional radional reduces and the background radional reduces and red	om the following. ii. Differentiate equation. iv. State Farada a generator and a motor? process by equation for Cobalt ations. uit why is voltmeter always con	ly's Law of electromagnetic induction $_{27}Co^{60}$.	
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2- Write short ar i. Define election iii. Define Fuston What is the vi. Write the vii. Write the coviii. In order to 3- Write short ar i. Why the viii. Define info	rs nswers of any five part for the circ power and write its unstended in the circ power and write its end be basic difference between γ'-decay(Gamma decay) for the causes of background radio measure voltage in a circ powers of any five part for the circ of women is more shormation and communications.	it. ii. Differentiate equation. iv. State Farada a generator and a motor? process by equation for Cobalt ations. iii. iii. iii. iiii. iii. iiii. iii. ii. ii	ay's Law of electromagnetic induction $_{27}Co^{60}$. Innected in parallel?	ction.
7 Time: 1:45 Hour 2- Write short ar i. Define election of the property of the	nswers of any five part firetric power and write its under the basic difference between answers of background radiomeasure voltage in a circumswers of any five part f	it. ii. Differentiate equation. iv. State Farada a generator and a motor? process by equation for Cobalt ations. auit why is voltmeter always con rom the following. rill than that of men? ion technology. mathematical equation. based information system part	ay's Law of electromagnetic induction $_{27}Co^{60}$. Innected in parallel?	ction.
7 Time: 1:45 Hour 2- Write short ar i. Define election iii. Define Fust v. What is the vi. Write the vii. Write the viii. In order to 3- Write short ar i. Why the viii. Define coiv. Write dow	nswers of any five part for the ctric power and write its under the basic difference between γ'-decay (Gamma decay) for the causes of background radio measure voltage in a circumswers of any five part force of women is more shormation and communication the names of computer of the com	om the following. ii. Differentiate equation. iv. State Farada a motor? brocess by equation for Cobalt ations. wit why is voltmeter always controm the following. rill than that of men? ion technology. mathematical equation. based information system particular.	ay's Law of electromagnetic induction $_{27}Co^{60}$. Innected in parallel?	ction.
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