RWP-10-G1-20

# W	100-1 10 41								
☆☆	S.S.C - (Part-II)	4-2020							
oll No. انيوارفونيا (For all sess		ions)	Paper Code 7 4 7 3						
Group-I-									
Physics (Objective Type)	•		غرمس (معروضی)						
Marks: 12	Time: 15 Minute	وتت 15 منك es	12:7:						
، جس جواب کوآپ درست مجھیں، جوالی کا پی پراس سوال نمبر ،	نه جوابات C,B,A, اور D دیئے گئے ہیں) رِ لَنْصِيحَ ہرسوال کے جارمکا	ر بنی از الات کے جوابات دی گئی معروضی جوائی کا لی کے سامنے جزو C,B، A یا D کے دائروں میں						
NOTE: Write answers to the questions on	objective answer sheet p	rovided. Four po	ssible answers A,B,C & D to each						
question are given. Which answer you cons	ider correct, fill the corres	ponding circle A	B,C or D given in front of each						
question with Marker or pen ink on the ans	wer sheet provided.								
1.1. The output of a NAND gate is 0 wh	en:		1.1. نينڈ گيٹ کي آؤٺ پٺ ٥ موگي اگر:						
(A) A=1 and B=0 (B) A=0		A=0 and B=1	(D) A=1 and B=1						
2. The brain of any computer is:			2. سسی بھی کمپیوٹرسٹم کا د ماغ ہے:						
(A) Control unit کنرول یون (B) Mor	nitor مانیر (C)	memory وري	ک پی (D) CPU کی						
3. What happens to the atomic number		ہےتواس کےاٹا مکے نمبر	3. جب ایک ایلیمنٹ ایک بیٹا پارٹیکل خارج کرتا.						
eject a beta particle?			ركياا ژپڙڪ گا؟						
(A) increases by 1 ایک بڑھیا ہےگا			کوئی فرق نہیں پڑے گا						
(C) decreases by 2 الم موجاكة (C)	(D)	decreases by	ایک کم ہوجائے گا 1						
4. Which one of the waves cannot pa	ss through vacuum?		4. کون ی و پوز و مکیوم میں نے میں گزر مکتی ہیں؟						
آوازکی ویوز Sound waves	(B)	Radio waves	ر يُم يود يوز						
(C) Television waves טפיליט לעפיצינ	(D)	Light waves	لائث ويوز						
5. The loudness of sound is most close			5. ساؤنڈ کی لاؤڈنیس کا زیادہ تراخصار ہوتا ہے:						
(A) Frequency فریکونی (B) Per	iod جيريدُ (C)		ايميلي ثيوز D) Amplitude) ويولينگور						
6. The speed of light in air is $3x10^8$ ms		میں 1.	6. هوامین روشنی کی سپینی ^{1 -} 3x10 ⁸ ms جبکه گلائر						
The refractive index of glass is:		:41	2x10 ⁸ ms ⁻¹ جے۔گلاس کاریفر بیٹوانڈ کر						
(A) 0.67 (B) 1.00	(C)	1.5	(D) 2.00						
7. An ophthalmologist places a 2.00 [I lens next to	ز کے ساتھ جوڑتا ہے،	7. ایک ِاہرچثم 2.00D کالنز 0.35D کے لین						
0.35 D lens.The power of combinat	tion is:	40	تواس ممینیشن کی پاور ہے:						
(A) 0.35 D (B) 1.6	7777 BASAN	2.00 D	(D) 2.35 D						
Capacitance is defined as:			D) 2.35 D) 8. کیپی ٹینس کی تعریف اس طرح کی جاتی ہے:						
(A) V/C (B) Q/	/ (C)	OV	(D) V/Q						
9. What is voltage across a 6 Ω resis	tor,when 3A of	نث گذرتا ہے تواس	9. ایک Ω 6 کے رز شرییں سے جب 3A کاکر						
current pass through it?			رزسٹر کے اطراف دولیج ہوتا ہے:						
(A) 2V (B) 9V	(C)	18V	(D) 36V						
10. What is the power rating of a lamp	connected to a 12 V) پاورکی شرح کیا ہوگ	10. 12V كرورى سے جوڑے گئا ايك ليمپ ك						
source, when it carries 2.5 A currer	it?		جبكداس مين 2.5A كاكرنث بهدر ماجو؟						
(A) 4.8 W (B) 15.5	5 W (C)	30 W	(D) 60 W						
11. Lenz's Law is in accordance to the	law of conservation of:	•	11. کینز کا قانون کنز رویشن کے قانون کے عین مطالا						
(A) energy 3.7 (B) ma	ss vi (C)	momentum	چارج (D) charge) مؤینم						
12. Electron gun has an electrode which	controls the flow of electron	ماؤ کولنٹرول کرتا ہے؟۔ ۲۹ گ	12. الينترون فن ين ايك اليكتروة جوالينترون في به						
(A) Screen عكرين		Grid 5	د نفائ پاید						
(C) Anode jie	3. SEC. 122-1	Deflecting pla	tes زیمیتنگ						
	25-10-A-*	-57000							

Roll N		(F!!:	22	
L	أميدوارخوديركري	(For all sessi	GRONUMPRETO • A	~
		کروپ-I		17
كل نمبر:48		حشهادل	1:4	وتت:5
			رو بل من سے کوئی سے یا مج اجزاء کے تنظر جواہات کھیے۔	2- درج
	ل کی نسبت عورتوں کی آواز باریک کیوں ہوتی ہے؟		رانسورس و بوز کی تعریف کرس اوراس کی ایک مثال کھیئے ۔	
	ا کی رفریکشن کے قوانمین بیان کریں۔	نارے کیامراد ہے؟ Vi روشی	ائبریزی موثن کی تعریف تجھئے۔ ۷ سو	
	ينهُ 1-340ms اور ويولينگاتھ 0.5m مو۔	ؤنڈ ویو کی فریکونی معلوم کریں جبکہ ساؤنڈ کی سپ	کمیا وَنْدُ مَائیکر وسکوپ کی تعریف کیچیئے۔ یا Viii. سا	.vii
10=5x2			ة بل ش سے كو كي سے يا تھ اجزاء كے فقر جوابات العيد -	
	ایمیو کیاہے؟ اس کوسرکٹ میں کیسے جوڑا جاتا ہے؟	یسٹرز کے دواستعالات تحریر کریں۔ iii.	کولمب کا قانون بیان کریں اور اُس کا فارمولاتح مرکزیں۔ ii. کم	
	ری نے کیا ہے؟ اس کا ایک استعال تحریر کریں۔	چل انڈکشن سے کیام اوہے؟ ٧١.	رانسفارمرکیاہے؟اس کی اقسام تحریر کیھیے۔ ۷. میو	iv. ڑ
9	رمولانکھیں۔	جی کی مقد ارکلووائے آور میں معلوم کرنے کا فا	لیکٹر ونک کرنٹ اور کوفشنل کرنٹ کے درمیان کیا فرق ہے؟ ، viii. از	i vii
10=5x2		0.50	ہ ذیل میں ہے کوئی ہے مانچ اجزاء کے فقیر جوامات کھیے ۔	4- درج
		رميونك اليميشن كى تعريف ككھيں۔	NOF گیٹ کی تعریف کریں اوراسکی علامتی شکل بنائیں۔ 💎 ii. تھ	₹ .i
	. ۱۷. الیکٹر ونک میل کے دونوا کد کھیں۔			iv.
	لمرح تنثرول کیا جا سکتاہے؟	ب نیوکلیئرری ایکٹر میں فشن ری ایکشن کو کس	ینالاگ مقدارین اوراینالاگ الیکٹر ویکس میں کیا فرق ہے؟ ، Vill اَوَ	ı.vii
18=2x9		حقته دوم	31 120	
			: درج ذیل میں سے کوئی سے دوسوالات کے جواہات تحریر کریں۔	
04			الف) ملینیکل و یوزگی اقسام مثالوں سے واضح کھیئے ۔ 'الف) ملینیکل و یوزگی اقسام مثالوں سے واضح کھیئے ۔) .5
05	رکو کہاں پر رکھنا چاہیئے۔		(ب)۔ایک کنویکس لینز کی نو کل کمینگاندہ 6cm ہے۔ جسم کی جسامت ہے	
04	. 6 . 6 . 6 . 6 . 6	فيلاها الماري المنتقة من	(الف) کسی کنڈ کٹر کی رزشنس پراثر انداز ہونے والےعوال تحریر کریں۔ را	6. (
05	تاہے۔۔عیارج فی مہیا کردہ انر بی کی مقدار کیا ہوگی؟	ے500 کو میشن والے لوائٹ پر مس کیا جا	رب)۔ایک 2C+ کے بوائٹ چارج کو 100V پیلفٹل والے بوائٹ رب)۔ایک 2C+ کے بوائٹ چارج کو 100V پیلفٹل والے بوائٹ)
04 مئ ق			ِ اللّٰ) _ يَتَحَودُ رِ سِ اوسِلُوسُوبِ كَمْ كَل دوحَوَ ل كَل وضاحت كري _ ` (ب) _ ايك ريْد يوا يكواطيمنٹ كى باف لائف 10 منٹ ہے۔ ابتدائك كا	.7 (
Time: 1:4	CS (Essay Type) Grov 5 Hours	- 10 A	Marks	250
) Write e		Section-		s: 48
C- AAIITE 9	hort answers of any five nar			
	hort answers of any five part ne the transverse waves and v	t from the following.	2x	s: 48 c5=10
i. Defi iii, Why	ne the transverse waves and to the sound of women is shrill	t from the following. write its one example. ii. as compared to men? iv.	What is meant by reflection of waves? Define vibratory motion.	
i. Defi iii. Why v. Wha	ne the transverse waves and war the sound of women is shrill at is meant by SONAR?	t from the following. write its one example. ii. as compared to men? iv. vi.	2x What is meant by reflection of waves?	
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i, Defi iii, Why v. Wha vii, Defi viii, Cald 3- Write s i, Stat	the transverse waves and a transverse waves and a transverse the sound of women is shrill at is meant by SONAR? the the compound microscope, sulate the frequency of a sound thort answers of any five part the Coulomb's law and write its	t from the following. write its one example. ii. as compared to men? iv. vi. d wave if speed of sound v t from the following. formula. ii.	What is meant by reflection of waves? Define vibratory motion. State the laws of refraction of light. wave is 340 ms ⁻¹ and wavelength is 0.5m. 2x Write two uses of capacitors.	c5=10
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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

04

7. (a) Explain any two components of cathod ray oscilloscope.

which count rate reaches 23 counts per minute.

RWP-10-62-20

☆	S.S.C	: (Part-II)	-A-2020								
Re	الميروارفوديد (For a	II sess	sions)	Paper Code	7	4	7	2			
وپ Group-II-											
P	hysics (Objective Type)	•			((مروضى	ر)(فزنس			
Ma	arks: 12 Time: 15	5 Minute	وتت 15 منك es	л			1	نمبر:2			
نوٹ : تمام سوالات کے جوابات دی گئی معروضی جوالی کا بی پرکھیے ہرسوال کے جارہ کمند جوابات ر C, B, A, اور D دیے گئے ہیں، جس جواب کوآپ درست سجھیں، جوابی کا بی پراس سوال نمبر											
کے سامنے جزو C,Br A یا D کے داکروں میں سے متعلقہ داکر کے کو مارکر یا پیمان کی سیائل سے ججر دیں۔ NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each											
	estion are given. Which answer you consider correct, fill i							icn			
	stion with Marker or pen ink on the answer sheet provide		, , , , , , , , , , , , , , , , , , , ,	, -, g			000.1				
1. 1.	Which waves require medium for their propagation	?		یم کی ضرورت ہوتی ہے؟	نے کیلئے میڈ	گذر_	كونسى ويوز	.1.1			
	(A) X-rays انگس ديد	(B)	Radio waves	ريد يوو يوز							
	(C) Mechanical waves مگييکل ويوز			tic waves کے دیوز	النكثر وسيكندة	ı					
2	Which form of energy is sound?	(-)	Licotromagno		بيرروسي ي منهم ہے؟		7 31 15 51	. 2			
	(A) Electrical اليكثريكل (B) Mechanical اليكثريكل	(C)	Thermal	آم (D) Chen							
3.		V-7	· · · · · · · · · · · · · · · · · · ·	الم سے ہوتا ہے:				, 3			
٠.	دوگنا (B) Double) نصف	(C)	Equal 🖽					2 .0			
4.	The endoscope used to examine the throat is called			ے رہے) ب ہونے والی اینڈ وسکوپ کہلا			77	4			
	(A) Bronchoscope بروتکوسکوپ		cystoscope .	· · ·	-	-					
	(C) Gastroscope کیسٹر وسکوپ		Periscope -	•							
5.	5 joules of work is needed to shift 10C of charge fro		The second contract of	۔ ، جگہ سے دوسری جگہ لیجانے	مارج کوایک	الك حا	ے 100کے	C .5			
	to another. The potential difference between the pla			ں مقامات کے درمیان یونینش		•					
	(A) 0.5 V (B) 2 V		5 V	(D) 10 V			,				
6.	When we double the voltage in a simple electric circ	cuit, we	كوشي مقدار دوگنا	وونج كودو كنا كردية بين توك	مرکث میں و	اساده	رہمایک	6. آ			
	double the:			10			ا ت وجائے گر				
	(A) Current シング (B) Power フリ	(C)	Resistance U	(D) Both رشلیس	A and	В	دونو ل				
7.	One Pico farad is equal to:				ر ہوتا ہے:	يذيرا	ب پيونير	7. 7			
	(A) 1x10 ⁻¹⁰ F (B) 1x10 ⁻⁹ F	(C)	1x10 ⁻⁶ F	(D) 1x10	⁻¹² F						
8.	The value of 1 KWh in Joules is:			ل میں ہے:	لی قیت جو	ئي آور ک	يك كلووار	.1 .8			
	(A) 3.6×10^6 (B) 3.6×10^5	(C)	3.6x10 ³	(D) 3.6x1	104						
		Α	X								
0	The logic operation performed by the given Gate is:			ل آپریشن حاصل ہوتا ہے:	Curist i	ا د مد	181	. 0			
9.	The logic operation performed by the given Gate is.	R		ت پرسان کا	ن وسالا جا	يب		9.9			
	(A) AND は (B) NOR ル	(C)	بيد NAND	(D) OR	آر						
10.	The equation of AND operation is:	3/ //				ن کی مہ	بذآريث	1.10			
	(A) X=A+B (B) X= \overline{A}	(C)	X=A.B	(D) $X = \overline{A}$	$\frac{B}{B}$,				
11.	Email stands for:			(D) $X = \frac{A}{A}$:4	ف ہے	ی میل مخفا	1.11			
	(A) emergency mail ایرجنی میل	(B)	بل extra mail		•						
	(C) external mail ایکشوش میل		electronic mail								
12.	12. Which among the following radiations has more penetrating power? إدر ق و يل ريدُى ايشنز مين كي و يُخي رُينَكُ يا ورزياده هي؟										
	(A) a beta radiation يٹاپارگل		a gamma radia			- 19 AND 1					
	(C) an alpha particle الفايارُكل	(D)	all these are ed	יי אות איט qual	۳.						
		A-☆-3	9000								

