	0.0.0 (-0.0.) 000.	The second secon
أميدوادفوريد كري أميدوادفوريد كري	(For all sessions)	Paper Code 5 4 7 3
	روپ-Group-I	(•
Physics (Objective Type)	RWP-41-21	فرنس (معربنی)
Marks: 12	رت:15 من Time: 15 Minutes	المبر:12
پ درست مجمعیں، جوانی کا بی پراس سوال تمبر کے	ال کے جار مکنہ جوابات C, B,A, اور D دیئے گئے جیں،جس جواب کوآ	نوث: تمام سوالات کے جوابات دی گئی معروضی جوابی کا لی پر لکھیئے ہرسوا
	ترے کو مار کریا بین کی سیاجی ہے بھرویں۔	سامنے جرو C,B، A یا D کروائروں میں سے متعلقہ وا
NOTE: Write answers to the questions	on objective answer sheet provided. Four po	essible answers A,B,C & D to
each question are given. Which answer yo	ou consider correct, fill the corresponding circ	cle A,B,C or D given in front of each
question with Marker or pen ink on the ar	nswer sheet provided.	
1.1. Density has formula:		1.1. وینسٹی کافارمولاہے:
ال x واليم mass x volume مال x	(B) volume/mass	
(C) area/mass ايرارا	(D) mass/volume	
Which of the following materials h		رہے اور میں ہے کس میٹر مل کے طولی پھیلا ؤکے کوافی دھینہ ہے۔ 2۔ درج ذمل میں ہے کس میٹر مل کے طولی پھیلا ؤکے کوافی دھینہ ہے
-	as large value of temperature — Of	
coefficient of linear expansion?	منا المنا	تیت زیادہ ہوتی ہے؟ مت
(B) Si الله الله (A) Aluminium الله الله (B)		(D) Brass (D)
	luctivity of a wall is its thickness is doubled	
دوگناموجال ہے (A) becomes double	(B) remains the sai	
آدگی موجالی ہے becomes half		ourth ایک چوتحالی ہوجاتی ہے
4. An interval of 200 μ s is equivalent	nt to:	4. 200 مائكروسكندكا وتغد مساوى موتاب:
(A) 0.2 S (B) 0.0		(D) 2x10 ⁻⁶ S
	مل ہوتا ہے: : ring body with time, we obtain	
(A) Speed غير (B) ac	ولا في Velocity (٥) الكسريش celeration	(D) Deceleration ۋىسلرىش
6. Newton's first law of motion is valid	only in the absence of:	6. کس کی غیرموجود گی میں نیوٹن کے پہلے قانون کا اطلاق ہوتا۔
(A) Velocity ولا گل (B) Ne	t force الارک Torque میث فورس	(D) Momentum مومينم
7. SI unit of acceleration is:		7. ایکسلریشن کا 8 یونٹ ہے:
(A) mS ⁻¹ (8) ms	S ⁻² (C) m ² S	(D) mS ²
	of 30° with the horizontal. Its	
horizontal component will be:		كاافق كمپونين بوگا:
(A) 4N (B) 5N	(C) 7N	(Ø) 8.7N
9. Torque ⁷ is equal to:		9 الک تر پرایک
(A) Fxm (B) Fxl	R ² (C) Fxτ	(D) FxL
10. The value of g on moon's surface i	s 1 6mS ² What will be the weight of a	10. ماندکی طرح کی تیت 1.6ms ہے۔ جاند پر
100Kg body on the surface of the		100Kg کے ایک جم کا وزن ہوگا۔
		1 -
(A) 100N (B) 160		D) 1600N (D) 11. اگر کی جسم کی ولا ٹی دوگنا ہو جائے تو آگل کا کی چیک از بی:
11. If the velocity of a body becomes d		
نسٹنٹریتن ہے (A) remains the same		
(C) becomes four times جواتی ہے		نصف دوجاتی ہے۔ 12. حرکت کے دوران کی جم کی از بی کہلاتی ہے: کیمیکل از بی y
12. The energy of a moving body durin		12. حر کت کے دوران کی جسم کی افر جی کہلائی ہے:
نوگیترازی (A) Nuclear Energy	(B) Chemical energy	
کائی کارنگا (Kinetic energy)	(D) Potential energy	پچيفل از بي
	225-09-A-🌣 🛣	

S.S.C - (Part-I) -A-2021	
Roll Noانيدانين (For all sessions)	
	ومحس رديما
ائي) الالله المحال المح	
10=5x2	وت: 1:45
0 = 5x2 = - 10=5x2 = - 25 = 17 ام یختیر جابات کلیمیے - 25 = 10 = 10 = 10 = 10 = 10 = 10 = 10 = 1	2- درج ذال عل-
فرز على فرق بيان نجيئے - از وريئز كوستنت سے ليامراد ہے؟ الله على الله على الله الله الله الله الله الله الله ا كي آخر دف كرس - ٧ . افريئ كا قانون كيا ہے؟ الله الله الله الله الله الله الله الل	i. سليرزاورويم
ال ريب دين	iv. سينداوردلاځ
10-512	vii. فرنگشن کوم کر
ے کی ہے پانچ 15اہ کے مصر جوابات معیے - انگ پیرال فورمز کی تعریف کریں - از جیوشیشنری آربٹ کی تعریف کریں - اناف کلاک دائز ادرا بنٹی کلاک دائز مومٹ کی تعریف کریں - لانگ پیرالل فورمز کی تعریف کریں -	3- נושנים
لانک پیرال فورمز کی آخریف کریں۔ ۱۱ جیوسیطنزی از بت کی خریف کریں۔ ۱۱۰ ایک تعریف کریں اوراسکا فارمولا کھیں۔ رپوئیٹن کی آخریف کریں اور دومثالیں دیں۔ ۱۷ ایک آئیڈیل (خالی) سنم سے کیام ادہ؟ ۷۱ ان کارک کی تعریف کریں اوراسکا فارمولا کھیں۔	ا. لانگ اوران . ه به سوع
ں وہ سے بین کی گفتہ ہوئے کریں الاب سیلا ئے اور قدر دلی سیلا ئے الیام اور ہے؟	א. <i>פרטובי</i> . יי ואיני
م كي الحوادة المحقق هائية بعقير - المنظم - المنظم - المنظم	۱۱۷. باوره پوت
	4- درج ذکی علی گر می آو
یف کینے اوراش کا این کی میں ہے۔ ii. انتخار کے بیٹر کے لامراد ہے؟ این کینے اوراش کا این کی میں کی بیٹر کے لائن کی ہے۔ vi. بیال اشیاء میں انقال جرارت کنویکشن سے کیوں تل میں آتی ہے؟ ایر می ہے کیا مراد ہے؟ رکن کیشن میں فرق واضح کر س۔ iiiv. حرارتی عموائش کی تعریف کیلیے اوراس کا ایونٹ تحریر کریں۔	ا چرچرن
ا ۱۹۳۲ کے بیاد کا اور اس کا اور اس کا اور اس کا ایون کریر کریں۔ رکزیکٹ میں فرق واضح کریں۔ ۱۱۱۱ حرارتی عملی کا تعریف کیچنے اور اس کا ایون کریر کریں۔	۱۷. سرن اسدر
همدودم	
یل بیں ہے کوئی سے دو موالات کے جوایات فحر مرکزیں۔	17
	وب. درن.
کار امراس کرلازی کے دال اور سنگ مرم اے ای کرل کے در کیاں کر ان کار کی اور کی اور کی کرلائی کی اور کی کرک کے دال	5()
رىر ،200Kg يانى كو 10 سيئىد من 6 سيخرى بلندن تاك بي السياح - بدي بالزوج الجيت -	(()
سائل کا قانون مان کیجئے اور ہاکٹر رونگ برلیس کی وضاحت کیجئے۔ کل کا قانون مان کیجئے اور ہاکٹر رونگ برلیس کی وضاحت کیجئے۔ سائل کا قانون مان کیجئے اور ہاکٹر رونگ برلیس کی وقت معلمہ کیجئے (پیٹیل کیا طول کا براز کی کیسلاؤ کا کوانفی شیٹ ہے۔	رب: 7 (الف).
ا عَلَىٰ كَا قَانُون مِيان تَجْعِيدُ اور ہائذرولک ریس کی وضاحت تیجیئے۔ اِعْلَیٰ کا قانُون میان تجوے °0 رہائی میٹر بمی ہے۔اس کی لمبائی © 30 رِمعلوم کیجئے ۔ (پیٹل کا طولی حرارتی کیسیلاؤ کا کوانٹی شدیدے = 1.9x10 ⁻⁵ K (1.9x10)	(-)
Physics (Essay Type) Time: 1:45 Hours Group-I (For all sessions) Total Ma	arks: 48
2- Write short answers of any five part from the following.	
i. Differentiate between scalars and vectors ii What is account.	2x5=10
iii. What are prefixes?Give an example.	
Trick is the ide of life iffer	
vii. Write two ways to reduce friction. viii. What is difference between base quantities and derived qualifications. Viii. What is difference between base quantities and derived qualifications.	ntities?
Define like and will	2x5=10
iii. Define clockwise and anticlock wise moment	3M C400-0
v. What is meant by an ideal system?	nples.
	4-0
Delice temperature of the following.	2x5=10
iii Define density tatala y	
v. State Hook's law.	
vi. Differentiate between conduction and convection. viii. Define specific heat capacity and write its unit	
Note: Answer any two questions from the following	9x2=18
(a) With the help of speed-time graph prove that V _i =V _i +at.	
(D) NOW MUCh is the force of friction has	04
floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal marble	04 05
(b) How much is the force of friction between a wooden block of mass 5Kg and the horizontal marble floor? The coefficient of friction between wood and the marble is 0.6. (a) Define equilibrium and explain the first coefficient of equilibrium.	04 05
(a) Define equilibrium and explain the first condition of equibrium. (b) Calculate the power of a pump which can lift 200Kg of water through a lift 200Kg o	12000
(a) Define equilibrium and explain the first condition of equibrium. (b) Calculate the power of a pump which can lift 200Kg of water through a height of 6m in 10 seconds. (a) State Pascal's law and explain hydraulic press.	05 04 05
(a) Define equilibrium and explain the first condition of equilibrium.	05 04 05

	R		
**	S.S.C -	(Part-I)-A- 2021	
Roll No	For al) أميدوارخود	l sessions)	Paper Code 5 4 7 4
	Gro	up-II-کروپ	/ :
Physics (Objective T	Type) Ru	-17-42-21	قرنمس (معروض)
Marks: 12	Time: 15	وت:15منك Minutes	ئېر:12
ت مجمیں، جوانی کا بی پراس سوال نمبر کے	C, اور D دیئے گئے ہیں،جس جواب کوآپ در	لکھیے ہرسوال کے جار مکنہجواباتB,A,	لوث: تمام سوالات كے جوابات دى كئى معروضى جوالى كالى ب
			سائے جرو C,B, A یا Dکدائروں میں سے متعلقہ
NOTE: Write answers to the q			
			le A,B,C or D given in front of each
uestion with Marker or pen ink	on the answer sheet provide	ed.	7 7 8 8 4 A
1.1. The value of latent heat			1.1. ويورائزيش ڪڻ في حرارت کي قيت هو تي ہے: معام معام معام
(A) 2.26x10 ⁵ JKg ⁻¹	(B) 2.26x10 ⁶ JKg ⁻¹	(C) 2.26x10 ⁶ Nm	(D) 2.26x10 ⁶ J
2. In solids, heat is transfer			 کھوں میں انتقال حرارت کا طریقہ ہے: ایزاد پیش (D) Absorption کنویکش
· · · · · · · · · · · · · · · · · · ·	ریدی ایش B) Radiation ریدی ایش	(C) Convection	ایرانون Absorption (ویسم 3. انگیشی سے زارت ہم تک براورات پیش ہے:
3. Heat from fireplace reac			
	ریْدی ایش B) Radiation (B)	(C) Convection	ابزارپش Absorption کویکشن 4. 200مانگیردسیکنڈ کاوقعہ ساوی ہے:
4. The interval of 200 μ s		(C) 2x10 ⁻⁴ S	4 (D) 2x10 ⁻⁶ S
(A) 0.2S	(B) 0.02S		5. کی شے میں مادے کی مقد ارمعلوم کرنے کا ایون ہے:
5. Amount of a substance	2	sured in: (C) Newton غير	
(A) gram كرام	(B) Kilogram كلوكرام	(C) Newton	ع کے متح کے جم کری پلیسن کرویہ تقسم ن
	t of a moving body with time	e we obtain: 2000 62	6. کمی متحرک جسم کے ڈس پلیسمنٹ کوونت پڑتشیم کرنے ۔ ایکسا بیٹ
(A) Speed		(B) acceleration c	
ولائ (C) Velocity (D)		(D) Deceleration	و می سکریس 7۔ یوزیشن میں تبد ملی کہلاتی ہے:
7. A change in position is o	called:		ا ، پورځن پارېر يي مهمان ہے:
(A) Speed بين		ولا کی Velocity ولا کی	
منث (C) Displacement منث	ۋسپليه	فاصلہ Distance)	
8. Which of the following is	s the unit of momentum?		8. مندرجيذيل مين بي كونسام ميلغم كالينث ب؟
(A) Nm	(B) KgmS ⁻²	(C) NS	(D) NS
9. A body satisfies second	condition of equilibrium if:		9. آیک جمم ایکوی لبریم کی دومری شرط پر پورا از تا ہے اگر:
$(A) \sum F_X = 0$	$(B) \sum F_{\gamma} = 0$	(c) $\sum_{i} F = 0$	(D) <u>روي يشل کو استن</u> کی آيت هو آي <u>- :</u> 10
10. The value of gravitation	al constant is:		
(A) 6.673x10 ⁻¹¹ Nm ² Kg ⁻²	(B) 6.6x10 ⁻¹¹ Nm ² Kg ⁻²	(C) 9.1x10 ⁻³¹ Nm ² Kg	
11. The unit of energy is:			11. از کی کا پوٹ ہوتا ہے:
واك A) Watt	(B) Joule جول	يُونُ C) Newton)	مول Mole) مول
12. One pascal is equal to:			1. ایک پاسکل برابر ہوتاہے:
(A) 1Nm ⁻²	(B) 10 ⁴ Nm ⁻²	(C) 10 ² Nm ⁻²	(D) 10 ³ Nm ⁻²
	227-	09-A-☆☆	6

		S.S.C - (Part-I) -A-302	7	
Roll No	امیدارخودیکرے (Fe	or all session	s)	~ ;
		II-كروپ	(mb-47-51	فرس (انتائيه)
عل نمبر:48		حشهاةل		وت:1:45 كفظ
10=5x2			بإلحج اجزاه كخضر جوابات للحنيه ـ	2- درج ذیل ش سے کوئی ہے
اے کم کوں ہولی ہے؟	ې؟ iii رولنگ فرکشن، سلائد مگ فرکشن	ورنير كونستنث سے كيامراد_	ورايک مثال محمی و تحييئے۔ ii	ا. رِي عَلَمُوكَ تَعْرِيفُ لِحِيمَ ال
مثال جي د محيئے۔ •	vi بوزیش کی تعریف کیئے اورا یک	. يوش كالنزيشش مستم كيا ہے؟	٧ _خِير	iv. ويمثرز اور سكيرنه كي تعريف
اب کی دھیل و تھیئے۔	ارنے والے جسم میں ایکسلریشن ہوسکتا ہے؟ اپنے جو	. کیا کو <i>ستنٹ میپیڈے حرکت</i>		vii. موسيقم كي تعريف تجيئ اور
10=5x2	کھئے۔ 'G' .iii کو تیت اوراس کا S اورن	ا بر فغ بر ا	بانچ اجراء کے تقربوابات کھیے۔ ترکی	3- درن ولي سي كولي ع
		. ایکسرآف رومیش کی تعریف در میرون		i مصنوعی سیلانتس کے دوا معنون میں میں آ
(- ١٠٠٠ - ١٠٠ - ١٠٠ - ١٠٠ - ١٠٠٠ - ١٠٠ - ١٠		منثراً ف گریوی کی کاتعریف میں۔		iv پیشنل ازی کی تعریف
40	لياجا سما ہے:	: زمین کاماس کس طرح معلوم	,	vii. العُي حيني كَ تَعريف تِحييَ
10=5x2	نهو ۱۰۰۰ ۱۰۰۰ مال پر کاټه و کمېري	. ح مد مروک ریما م	، بانح اجراء كے تقر جوابات لكميے - منتقل منتقل منتقل الكري	
	ن میں ہوتا؟			
ور مسم النز من شن السكالونث تعلية -	کھیے ۷۱ حرارتی مخوائش کی تعریف کیچیئے او کی آئی میں شریب کی مواد	المبريج إورحرارت كي تعريف	ا جن الما الما الما الما الما الما الما الم	iv. خرارت مورج سے ہم تک
	التي مائع كى الويبورش كا انحصار كن عوامل بر بهوتا بي؟		را بلاستك لعث سے كيامراد ب؟ iii	vii. كېكا قانون ييان هيچ
18=2x9		حقته ودم	(2 ,, 6 , 1)	C & h.a
04		$2aS = V_0^2$	لوئی سے دوموالات کے جوابات تح مرکز ا	
04	C# . V			5. (الف) برگراف کی مدور در مرکز حسر سرم
05 04	1 096762	بے 2UN فی کورٹ و متا وقت در است ایسی کھی	یم میں 22N.S کی تبدیلی پیدا کرنے کیے تبدید	(ب) ہی جم لے مو
05	ورك كرتا ب_ إسكى فيصد الفي فينس كتنى مع؟	ں اور وضاحت جیے۔ ۔ کہ جان فرط میا 12 کارآن	اتعریف کریں نیز اس کی پہلی شرط بیان کریا مدر و ۵۰۸ وفیریز جی سروض عن ایسکا	الف) د الف) د العول برم (
04	مرا در المحدي المحدي المحديد المحدد ا		ہ ہر وں 100 کو دار ہی ہے تو س ن بیان کیجیئے اور ہا کڈرولک پر لیس کی وضاحہ	
05	ر په کې کتني مقدان کار سر؟	ے ریں۔ 20 سر انی کون کر کھیلیون	ن بیان کیچے، اور ہا بدر دولات پریس کا وقعامت وجود 2.5 کیٹر پائی ہے۔ جس کا نمپر بیچر C°	ا. راهه) دیا ش ۱۵ فاور
		2		٥٠٥،٠٠٠ ٢٠٠٠
DI				
PHICIOC /	· T \	/5	an all accessors	
Physics (Essay	(Type) Grou	p-II (F	or all sessions)	Marker 40
	y Type) Grou		•	Marks: 48
Time: 1:45 Hours		Sect	or all sessions)	
Time: 1:45 Hours 2- Write short answe	y Type) Grou ers of any five part from the fand also give an example.	Sectoriollowing.	•	Marks: 48 2x5=10
Time: 1:45 Hours 2- Write short answer i. Define prefixes	ers of any five part from the f	Section Sectio	ion-I ant by vernier constant?	
Fime: 1:45 Hours 2- Write short answer i. Define prefixes iii. Why rolling frict	ers of any five part from the f and also give an example.	Section Sectio	ion-I ant by vernier constant?	2x5=10
Time: 1:45 Hours 2- Write short answe i. Define prefixes iii. Why rolling frict v. What is Interna vii. Define moment	ers of any five part from the f and also give an example, ion is less than sliding friction? tional System of Units? um and write its unit.	Section of the sectio	tion-I ant by vernier constant? ors and scalars. ion and also give an exa	2x5=10
Time: 1:45 Hours 2- Write short answe i. Define prefixes iii. Why rolling frict v. What is Interna vii. Define moment viii. Can a body mo	ers of any five part from the f and also give an example. ion is less than sliding friction? tional System of Units? um and write its unit. ving at constant speed have a	Section Sectio	tion-I ant by vernier constant? ors and scalars. ion and also give an exa	2x5=10
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