<u> </u>	0.0.0 (-0.0.)	Service service service and the service servic
Roll No	(For all sessions) Group-I-کوپ	Paper Code 5 4 7 3
Physics (Objective Type)	Rup-4-21	فزمس (معربنی)
Marks: 12	رت: 15 Minutes وتت: 15	19: 3
	و کا ۱۰۰۰ میں میں اور کا ۱۰۰۰ میں اور اور کا ۱۰۰۰ میں جس جوا پر ہروال کے چار مکنہ جوابات C,B,A, اور کا دیئے گئے ہیں ،جس جوا،	بعر. 12 ما جوال من الأومع بني حوالي الكومية
		ما ہے جو اواق کے جو بات دی 0 کروں جو بات ہوں ہی ہے متعا
NOTE: Write answers to the questions on ol		The second secon
each question are given. Which answer you co	•	
question with Marker or pen ink on the answe		, 45' or 5 anoth in none of each
1.1. Density has formula:		1.1. وینسٹی کافارمولاہے:
ال x والح mass x volume الله x والح	(B) volume/mass	
(C) area/mass ارازار	(D) mass/volume σ	
Which of the following materials has la		وہ اس 2۔ درج ذمل میں ہے کس میٹر مل کے طولی پیمیلا دُکے کوائقی'
	arge value of temperature	2 (1) (1) (2)
coefficient of linear expansion? (A) Aluminium المرتبع (B) Steel	کولٹ (C) Gold) سٹیل	تیت زیاده و قرآن کی آب پیش (D) Brass) پیش پیش کی دیوار کا در کا افران کنتر کشور می ا
	(C) Gold L	(D) Brass Unit
3. What happens to the thermal conductiv		C, 2, 2, 0, 2, 2, 2, 0, 2, 2, 0, 2, 2, 0, 1, 2, 2, 0, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
روگناموجالی ہے (A) becomes double	(B) remains the same	
آدگ بوجال ہے (O) becomes half	(D) becomes one four	
4. An interval of 200 μ s is equivalent to		4. 200 مائنگروسیکنڈ کا وقفہ مساوی ہوتا ہے:
(A) 0.2 S (B) 0.02 S		(D) 2x10 ⁻⁶ S
5. By dividing displacement of a moving		 کی متحرک جسم کے ڈس پلیسمنٹ کودنت پرتقسیم کرنے۔
	eration ایکسریشن Velocity ولامی	
6. Newton's first law of motion is valid only		6. حملی غیرموجودگی میں نیوٹن کے پہلے قانون کا اطلاق ؟
(A) Velocity ولائل (B) Net force	ce درک (C) Torque میدفورس	رويتم (D) Momentum
7. SI unit of acceleration is:		7. ایکسلریشن کا اکا پونٹ ہے:
(A) mS ⁻¹ (8) mS ⁻²	(C) m ² S	(D) mS ²
8. A force of 10N is making an angle of 3	0° with the horizontal Its المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة المراقبة الم	8 - 10 نیٹن کواک فیزی بعد ایکس کے ساتھ 30° کازاد
horizental component will be:		کا فقی کمیونیف ہوگا: کا افقی کمیونیف ہوگا:
(A) 4N (B) 5N	(C) 7N	191 8 7N
9. Torque 7 is equal to:	(0) //(ور المركز الم
(A) Fxm (B) FxR ²	(C) Fxτ	(P) FxL
10. The value of g on moon's surface is 1.6	ômS ² .What will be the weight of a	10.
100Kg body on the surface of the moon	n?	100Kg کے ایک جسم کاوزن ہوگا۔
(A) 100N (B) 160N	(C) 1000N	(D) 1600N
11. If the velocity of a body becomes doub	le,then its kinetic energy:	11. أكركت جم كى ولا تى دوكنا موجائة والكى كافي عك انرتى
(A) remains the same کنشنٹ ہتی ہے	(B) becomes double	دو گنا موجاتی ب
چارگنا بوجاتی ہے (C) becomes four times	(D) becomes half 4	نسف روجاتي
12. The energy of a moving body during m	otion is called:	12. و كت كدوران كى جم كى افر في كبلاتى ب:
(A) Nuclear Energy نَظِيَرُارَيْ	(B) Chemical energy	نسف رہ جاتی 12. ترکت کے دوران کی جم کی انر می کہلاتی ہے: کیمیل انر می
النَّهَالِ الرَّي Kinetic energy	(D) Potential energy	
4,	225-09-A-***	
	220-03-N- A A	

Roll No. Single of Section 19 A 2021	
(1 of all sessions)	٠.
المراجع المراج	فروس (انتائيه)
مسماول	وتت:1:45 كنظ
	2- ورع ذيل عن سے كوئى =
ل بيان يجيئة - المنظم المستخطر المستخدر المستخطر المستخطر المستخدر المستخطر المستخل المستخل المستخطر ا	i. سليكرز اورو يكترز مي فرا
	iv. سينيداوردلاش كى تعريف
ط تقالصه بن Viii بنيادي معدارون اور ما خود معدارون التي تون هيد	: 150 35:
عالج الإام يحقرهما بالتعليم - و من المرابع الم	2 - ربيجة ولي شي سيكوني -
ہے تاہ اور است کے مردد پات کہتے ہے۔ ان جو سر کی آخر ہفت کریں۔ مل قور مرکی آخر ہفت کریں۔ ان جیوٹیشٹری آر بٹ کی آخر ہفت کریں۔ ان ان کا کی دائز اورائے قان مول انکٹیس۔	i. لائك اور أن لا تك يرا
مل فورمزی تعریف کریں۔ ۱۱ بیوسیستری اربت می سریف کریں۔ ۱۱ بیوسیستری اربت می سریف کریں اوراسکا قارمول تکھیں۔ کی آخریف کریں اور دومثالیس ویں۔ ۷ ایک تیزیل (مثالی)سٹم سے کیام ادب؟ ۷۱ ٹارک کی تعریف کریں اوراسکا قارمول تکھیں کرون نے کہ تعریف کریں۔ Will سیلان شداور قدرتی سیلانٹ ہے کیام او ہے؟	iv. فورس آف گریوی میشن
الاستان على خوالد الله على المستان الم	اند اور کالوشٹ کیا ہے؟ اگر
ے پانچ اجراف مختر جوابات کی ہے۔ نے پانچ اجراف مختر جوابات کی ہے۔ اوراس کا اکا پونٹ کی ہے۔ اوراس کا اکا پونٹ کی ہے۔ ان استان نے کر پریشرے کیا مراد ہے؟	4- درج ذيل شي عرفل-
	الميريخ فالعريف فيجيح
المام الاستيانية المسترية المس	iv مرال کوی کبر م
من فرق واع كرير _ الله الله الله الله الله الله الله ال	vii كَنْدُكُشْن اور كُونِيكُشْن
ے کی اے دو الات کے جایا ہے جو ایک ہے۔ ا	نوت: ورج ذيل شي-
اف کی مدوع تا ہے کھیے۔ Vy=Vy+at کی اور میں کا دور ان کو افغ کھیٹ آف فرکشن کی قیت 0.6 ہے۔ 05	5. (الف) سيدنام كم
اف کی مدد ہے ابت کیجئے۔ V؛ =V; +at اف کی مدد ہے اب اب اور سکے مرم کے افقی فرش کے درمیان فرکشن کی کتنی فورس ہوگی؟ کلڑی ادر سنگ مرم کے درمیان کوابغی شین نہ آن فرکشن کی قیت 0.6 ہے۔ مرح کا مرم کے بلاک ادر سنگ مرم کے افقی فرش کے درمیان فرکشن کی کتنی فورس ہوگی؟ کلڑی ادر سنگ مرم کے درمیان کوابغ	(ب) 5 كلوكرام ما
ای تعریف میچ اورا کی بی کروان وقت سے ہے۔ 200K یائی کو 10 سینٹر میں 6 ہٹری ہلندی تک بہنچا سکتا ہے۔ بب کی یا در معلوم کیجئے۔	(ب)ايد پپو
الون بيان تجيئ اور باكثر رولك مركس كي وضاحت تجيئے - لون بيان تجيئ اور باكثر رولك مركس كي وضاحت تجيئے - (پيتل كاط لو بار ارتى بھيلا كا كوان شينيٹ = 1.9x10 °K (1.9x10 °K)	7. (الف) بإسكل كا قا
نون بیان تجینے اور ہائڈ رولک پریس کی وضاحت بجیئے۔ نون بیان تجینے اور ہائڈ رولک پریس کی فضاحت بجیئے۔ (پیتل کا طولی حرارتی پھیلا وَ کا کوانٹی هیدے = 1.9x10 ⁻⁵ K-1 یاسلاخ جو C°0 پراکید میٹر بنی ہے۔اس کی لمبائی C°30 پر مطوم بجیئے ۔ (پیتل کا طولی حرارتی پھیلا وَ کا کوانٹی هیدے	(ب)ايک پيتل ک
Physics (Essay Type) Time: 1:45 Hours Group-I (For all sessions)	
Total	al Marke: 49
Southern T. Tol	tal Marks: 48
2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors: ii. When it is recorded.	al Marks: 48 2x5=10
Section-I 2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors. ii. What is meant by vernier constant?	-
Section-I 2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors. iii. What is meant by vernier constant? iv. Define speed and velocity.	2x5=10
2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors. iii. What are prefixes?Give an example. v. What is the law of Inertia? vii. Write two ways to reduce friction. viii. What is difference between the following. iii. What is meant by vernier constant? iv. Define speed and velocity. vi. Define acceleration and write its formulation.	2x5=10
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Section-I 2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors. iii. What are prefixes?Give an example. v. What is the law of Inertia? vii. Write two ways to reduce friction. viii. What is difference between base quantities and derivers. 3- Write short answers of any five part from the following. i. Define like and unlike parallel forces. iii. Define clockwise and anticlock wise moment. v. What is meant by an ideal system? vii. What is the unit of power?Define its unit. 4- Write short answers of any five part from the following. i. Define temperature and write its unit in SI. iii. Define density. Write its unit in SI. viii. Define density. viii. Define density write its unit in SI. viii. Define density write its unit in SI. viii. Unit is meant by atmospheric pressure iv. What is meant by thermal equilibrium? viii. What is meant by thermal equilibrium? viii. What is meant by thermal equilibrium? viii. Define specific heat capacity and write its section -II Note; Answer any two questions from the following. (a) With the help of speed-time graph prove that V ₁ =V ₁ +at. (b) How much is the force of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between wood and the marble is 0.6.	2x5=10 illa. ed quantities?
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Section-I 2- Write short answers of any five part from the following. i. Differentiate between scalars and vectors. iii. What are prefixes?Give an example. v. What is the law of Inertia? vi. Write two ways to reduce friction. viii. What is difference between base quantities and derived the short answers of any five part from the following. i. Define like and unlike parallel forces. iii. Define clockwise and anticlock wise moment. v. What is meant by an ideal system? vi. What is the unit of power?Define its unit. 4- Write abort answers of any five part from the following. i. Define temperature and write its unit in SI. iii. Define density.Write its unit in SI. v. State Hook's law. vi. Why does transfer of heat in fluids take place by converyii. Differentiate between conduction and convection. Viii. Define specific heat capacity and write its section -II Note: Answer any two questions from the following. (a) With the help of speed-time graph prove that V:=V ₁ +at. (b) How much is the force of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wooden block of mass 5Kg and the horizontal man floor?The coefficient of friction between a wood and the markle is 0.0.	2x5=10 illa. ed quantities? 2x5=10 o examples. Satellite? 2x5=10 e? ction? tts unit. 9x2=18 o4 oble o5 o4 ods. o5

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r k	S.S.C - (Part-I)-A- 2021	
Roll No الميدادفون كر	or all sessions)	Paper Code 5 4 7 4
	گروپ-Group-II	(.
Physics (Objective Type)	Bmb-93-51	فزنمس (معروض)
forks: 12 Til	ne: 15 Minutes وتت:15	نبر:12
ئے گئے ہیں، جس جواب کوآپ درست مجھیں، جوالی کا لی پراس موال نبر کے	معیئے ہرسوال کے میار مکنہ جوابات C,B,A, اور D د۔	نوث: تمام موالات کے جوابات دی محق معروضی جوابی کا لی پرک
	ائر سے کو مار کریا ہیں کی سیاجی سے مجرویں۔	سائے جزو C,B، A یا Dکدائروں کس سے متعلقہ د
OTE: Write answers to the questions on objective		
ach question are given. Which answer you consider		cle A,B,C or D given in front of each
uestion with Marker or pen ink on the answer sheet	provided.	7 7 (18 (
1.1. The value of latent heat of vaporization is:		1.1. و بيورائزيش کي څخي حرارت کي قيت بوتي ہے:
(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 transferred by:	2.4	2. مخول میں انتقالِ حرارت کا طریقہ ہے:
(A) Conduction کنوکش (B) Radiation	ענטורט (C) Convection (ریرار کارگری Adsorption (ا) سویسی علی می اوراست مینیتی ب:
3. Heat from fireplace reaches us by:	ė	
(A) Conduction کڈکش (B) Radiation	(C) Convection ريتي اين	ایدارچاق (L) Absorption نویسن 4. 200مائیکروسیکنڈ کاونقد سیاوی ہے:
4. The interval of 200 μ s is equivalent to:	(C) 2x10 ⁻⁴ S	(D) 2x10 ⁻⁶ S
(A) 0.2S (B) 0.02S		5. کی شے میں مادے کی مقد ار معلوم کرنے کا یون ہے:
5. Amount of a substance in terms of numbers (A) gram (B) Kilogram (B)		مول (D) Mole مول
(A) gram (B) Kilogram (6. By dividing displacement of a moving body w	with time we obtain: in the be	6 کسی متحرک جیم کے ڈی پلیسمنٹ کوونت برتشیم کر ف
	(B) acceleration	ايكسلريش
(A) Speed پپیْ	(D) Deceleration	
ولائی (C) Velocity	(b) Decemenation	ر م ر س 7. یوزیشن میں تبد ملی کہلاتی ہے:
7. A change in position is called:	ولائل Velocity (B)	
(A) Speed پيپ		j•
(C) Displacement ځارگلیمند	صلہ D) Distance)	ہ 8۔ مندرجہ ذیل میں سے کونسام میٹٹم کا پونٹ ہے؟
8. Which of the following is the unit of moment	um? (C) NS	(D) NS ⁻¹
(A) Nm (B) KgmS ⁻²	(C) NO	
9. A body satisfies second condition of equilibrium (A) $\sum F_{\gamma} = 0$ (B) $\sum F_{\gamma} = 0$	(c) $\sum F = 0$	9. ایک جم ایکو کابر که کی دومری شرط پر نیودااتر تا ہے اگر:
(A) $\sum F_{\chi} = 0$ (B) $\sum F_{\gamma} = 0$ 10. The value of gravitational constant is:		10. گريوي فينشل كونسٽنٽ كي قيت مولي ہے:
- Acceptance of the contract o	² Kg ⁻² (C) 9.1x10 ⁻³¹ Nm ² K	
	(4) 6.17.10	11. از کی کابین ہوتا ہے:
11. The unit of energy is:	(O) Noudon 3	ا ا ا اربی و پوت اورا چ. مول Mole (D)
(A) Watt واك (B) Joule	يُونُ Newton (C)	ون Mole (ط) 12. ایک پاسکل برابر ہوتا ہے:
12. One pascal is equal to:	(C) 10 ² Nm ⁻²	(D) 10 ³ Nm ⁻²
(A) 1Nm ⁻² (B) 10 ⁴ Nm ⁻²		

	R	S.S.C - (Part-I) -A-2021		
Roll No.	F) أميدارخوديُكر	or all sessions)		~
		II- كروب R	4P-42-21	فوس (إنتائيه)
عل نمبر:48		حتىدادل	1	وت:45 كنظ
10=5x2			ويافح اجزام يخفرجوابات كلحفيه	
ے کم کوں ہولی ہے؟	؟ أأأ رولنك فركش وسلائد تك فركش	ii. ورنيز كونستنث سے كيا مراوب	ورایک مثال محمی دیجیئے۔	ا. بری همری تعریف کیجیئے
ں جی د تھیئے۔ • م کو میر	۷۱. پوزیشن کی تعریف کیچیئے اورا یک مثال میں جہ میں تک اور	٧. يغيس كالنار يحش سنم كياب؟		١٠. ويكثرز إور سكيكر زكي تعريف
	رنے والے جسم میں ایکسلریش ہوسکتا ہے؟ اپنے جواب	viii. كيا لوكستنث بپيدِّے قرات ا		٧١١ مومينم كالعريف ليحيئه او
10=5x2	ئے۔ 'G' .iii کی قیت اور اس Sld بونٹ کا	ii. ایکسرآف رومیشن کی تعریف کج	، یا فی اجزار کے تقر جوابات لکھنے۔ ترکی	
		۱۱. ایشراف روین کا حریف ۷. منثرآف گریوین کی تعریف مج		i. مصنوعی سیلائنس کے در مندول میں تیس
الماران م:		۷ مسراف ریوی ق طریع کے iii) زمین کا ماس کس طرح معلوم کم	کھیئے اوراس کی مساوات کھیئے ۔ میں تاریخ اور الکھور	7
10=5x2	يوم م ۽،	וווע. נגטטט טיקט ייקן		vii. الغي صلى كاتعريف كيمية معالم من الماريف كيمية
	أبين ہوتا؟	ن که مری بخشر ساتل ک	دیا کم اجراء کے مختمر جوابات کھیے۔ سفرین پیشنا میں بیان کی کھیر	
			معم انز جھنل میں اسکا یونٹ لکھیئے ۔ سیم سیمیت	
الر الماسالين سي-	ھیے۔ ی مائع کی ایو یپورٹن کا انحصار کن موال پر ہوتا ہے؟	۷ نمپر بچراور حرارت کی تعریف	ب ہے ہی ہے؟	iv حرارت مورج عيم
40.00	ن کاری کی ایو بچور کی کا انتظار کی کوال پڑھونا ہے؟		را بلاستك لمف سے كيا مراو ب؟	vii. بكا قالون بيان يي
18=2x9		م ت ه دوم	ا اول سےدروالات کے جوابات تر	
04		$2aS = V_{i}^{2} -$		توت: ورن در مل سے 5. (الف) کران کی مد
05	5 Km . 1		ہے۔ اور میں اور مینم میں 22N.S کی تبدیلی پیدا کر۔	5. (اف) براك ما مراك ما مراك ما مراك
04	. 03.21	ع پے 2014 ن دور اور مادت روز اگر کی مان وضاحت کھیئے	ا میں کا کا کا کا کا کا ہوگا ہے۔ ایا تعریف کریں نیز اس کی مہلی شرط میان	المال المال المال
05	ك كرتا ب_ إسى فيصدا بفي فينسى كتنى بي؟	برین اربوط کے میں نیکل کے طلانے شن لا12 کارآ مدور	ر مرون و مارد المار المار المار المارد ا	ه. راحب درجر
04		نا <i>حت کری</i> ۔	ن بان کیمتراور با کثر بولک مرکبر رقی و	JEK & (21) 7
05	ت کی کتنی مقدار در کارے؟	20°C ہے۔ مانی کواما لئے کیلئے حرار	س جود 5 کیٹر پائی ہے۔جس کا تمبر بچ	المنتزيد (ب)
	,		77, 10 17 0;7 12:03:17	0-04-5-1-1
Physics (Ess		ıp-II (Foi	all sessions)	Manka 49
Time: 1:45 Hours		Sectio	•,	Marks: 48
Time: 1:45 Hours 2- Write short ansv	wers of any five part fro <mark>m th</mark> e	Section following.	n-I	Marks: 48 2x5=10
Time: 1:45 Hours 2- Write short answighting in Define prefixe	wers of any five part from the es and also give an example.	Section following. ii. What is meant	n-I by vernier constant?	
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