☆	10th General Science Objective Pa		024 Group 1 Raw Part-II)-A-2024		Board Der Code 7 0 9	1
			All Sessions)	ــــــــــــــــــــــــــــــــــــــ	• • • •	
G	eneral Science (Objective)			((	رُ ل سامنس (سروینی	<b>~.</b>
Mar	ks: 15	(Gro	oup-I (گروپ-)	گامہ ضر	Time: 20 minut	
نے	), اور D دیئے گئے ہیں، جس جواب کوآپ درست بھیس جوالی کا پی پراس موال نمبر کے سا۔	اباتC,B,A اسے بھردس۔	اب کا پی پر تنظیئے ہر سوال نے جار مملنہ جوا سے متعلقہ دائر ہے کو مار کریا بین کی سیا ہی	) می معروضی جوا دائر وں میں ہے	ی کام خوالات کے جوابات در کر C,B، A یا ک	<i>-</i> 9
Not	e: Write answers to the questions on objective a	nswer st	neet provided. Four p	ossible	answers A,B,C & D	
	each question are given. Which answer you con front of each question with Marker or pen ink on			naing cire	cie A,B,C or D give	1 111
1.1.	Plants use energy for photosynthesis:			ےانرجی استع	فوثو سنتهيسز كيلئ يود	.1.1
	(A) Light energy روثن کی از جی Wind energy پٹر از جی	(C) es	لاز بی Chemical energy	ا (D) کیمیکا	وکلیئرانر جی Nuclear energy	ż
2.	One British Thermal Unit (BTU) is equal to:			رابر ہوتاہے:	ایک برکش تفرمل یونث(BTU) بر	.2
	(A) 1035 Joule 2 1035 (B) 1045 Joule 2 1035 (B)	045 <b>(C)</b>	1055 Joule حول کے 1055			
3.	The largest source of heat energy is:				حرارتی انرجی کاسب سے بردامن	.3
	حاره Star عاند (B) Star	(C)	سورج Sun	(D)	بلب Bulb	
4.	Movement of free electrons in conductor is called:		3.	وش کہلاتی ہے	كند كثريس آزاداليشرونزك	.4
	(A) Rotatory motion روٹیٹر کی موثن (B) Circular motion	(C) سرکلر·	Random motion of	(D) ريندُ	لى نيرٌ موش Linear motion	
5.	1mA is equal to:				1 ملی ایمپیئر برابرہے:	.5
	(A) 10 <sup>-3</sup> A (B) 10 <sup>-6</sup> A	(C)	10° A	(D)	10 <sup>-12</sup> A	
6.	Ammeter is connected with a circuit in:	110	2000	:4	ايمير كوسركث مين لكاياجا تاب	.6
	(A) Up او پر (B) Down	90 (C)	متوازی Parallel	(D)	Series 2/2	
7.	Ohm's law was discovered in:				اوہم کا قانون دریافت ہوا:	.7
	Ohm's law was discovered in:  (A) 1806 (B) 1826	(C)	1836	(D)	1846	
8.	Laser pen is:				ليزريين ہے:	8.
	(A) Writing device کھے والا آلہ Storage device ورج آلہ	(C) (				
9.	In P-type semi-conductors, most of the current is due to:		يه-		پی ٹائپ سیمی کنڈ کٹرز میں زیادہ	.9
	(A) Free electrons آزادالیگران (B) Holes	(C)			پازیٹوآئنز Positive ions	
10.	In Reverse Biased Diode, the current flowing through diod				ر یورس ہائسڈ ڈائیوڈ میں سے گز	.10
	(A) Zero ampere مغراكيم (B) Five ampere عُمْراكيم	ξ (C).o				
11.	A reliable instrument for sending and receiving electromag	gnetic wav	•		الیکٹرومیکنیٹک و پوز کو بھیجنے اور وہ ب	.11
	(A) Radio ريديو (B) Radar راۋار	(C)	میطلائث Satellite	(D)	ئی وی TV	
12.	The way to produce inside pictures of arteries is called:			***	شر یانوں کی اندرونی پکچرزمهیا نه سر	.12
	اک ک ک در آل (B) E.C.G ایم ازرآئی (A) M.R.I	(C)	ک ٹی سکین C.T. Scan			
13.	To produce three dimensional image by laser is called:			•	لیزرہے سیمتی تصاویر حاصل کر لدیں ہ	.13
	فَوْكُرَا فَى Photography وَوْكُرَا فَى Photography وَوْكُرَا فَى Photography	(C)	Surgery رجری		Lithotropsy کیتھوٹروپسی	
14.	Weight of Hubble space telescope was:		£		مېل سپىيى ئىلى سكوپ كاوزن تھ م	.14
	باره ش (B) 12 tonnes گیاره ش (A) الم	(C)	تیره ٹن 13 tonnes			-
15.	American sky lab broke into pieces in				امریکن سکائی لیبمیر	.15
	(A) 1977 (B) 1978	(C)	1979	(D)	1980	
	4	41-10-A	www.pakcity.org			

10th General Science Subjective Paper 2024 Group 1 Rawalpindi Board SSC.(Part-II)-A-2024 Roll No جزل سائنس (انثائي) General Science (Subjective) (For All Sessions) Time: 2:10 hrs ( کروپ-۱- Group) Marks: 60 Section-I درج ذیل میں سے وئی سے چھاجراء کے فقر جوابات تحریر کیجے۔ 2. Write short answers of any six parts of the following: (6x2=12)نيوكليترفشن كى تعريف يجيح i. Define nuclear fission. یادر کی تعریف کریں اور اس کی مساوات تحریر کریں۔ ii. Define power and write its equation. iii. نیوکلیئرانرجی کیا ہاوریہ کیے پیدا ہوتی ہے؟ iii. What is nuclear energy and how it is produced? كيميكل ازجى كيے بيدا ہوتى ہے؟ iv. How chemical energy is produced? زمین کی گہرائی سے شیم کے ذریعے بیلی پیدا کرنا کیا کہلاتاہے؟ v. What is called the generation of electricity by steam from the depth of earth? vi. انر جی کی بحیت کے لئے کوئی دو تجاویز تح برکریں۔ vi. Give any two suggestions for conservation of energy. ivi. مو گجز کا کیا کام ہے؟ iiiv. الیکٹرکشاک کی تعریف سیجھے۔ vii. What is the function of switches? viii. Define electric shock. ix. اوجم کا قانون بیان کریں اور اس کی مساوات تحریر کریں۔ ix. State Ohm's law and write its equation. درج ذیل میں سے کوئی سے جھاجزاء کے مخفر جوابات تحریر کیجے۔ 3. Write short answers of any six parts of the following: (6x2=12)ڈائی الیکٹرک کے بارے میں آپ کیا جانے ہیں؟ i. What do you know about Dielectric? ii. What is shunt? لی ٹائے سی کنڈ یکٹرز کیا ہوتے ہیں؟ iii. What are P-type semi conductors? iv. ووینگ کے مل کے بارے میں آپ کیا جانتے ہیں؟ iv. What do you know about Doping process? ٹلی کمیونی کیشن کی تعریف سیجیے۔ v. Define telecommunication. كيوني كيشن اوركميوني كيشن سقم مين كيافرق بي؟ vi. Differentiate between communication & communication system. vii. برنٹر کی دواقسام کے نام تحریر کریں۔ vii. Write names of two types of printers. viii. فلا في دُسك سے كيام ادے viii. What is meant by floppy disc? مائنگردچیں کے کوئی سے دونوا ئدتح برکری۔ ix. Write any two benefits of Microchips. درے ذمل میں سے کوئی سے چھاجزاء کے مختصر جوامات تح مر کیجئے۔ Write short answers of any six parts of the following: (6x2=12)ECG و EEG من كيافرق ي؟ i. What is the difference between ECG and EEG? ii. انجوگرافی سے کیامراد ہے؟ ii. What is meant by angiography? iii. گیاآئرین (Pig Iron) کیے حاصل ہوتا ہے؟ iii. How pig iron is obtained? iv وها کے سے کیڑا تیار کرنے کے دو طریقے بیان کریں۔ iv. Describe two methods to prepare fabric from yarn. ارسی سے کیام ادہے؟
 ک گی سکین کے دونو اکتر تحریر کریں۔ What is meant by pharmacy? Write two advantages of C.T scan. vii سیارکو کے دوبنیا دی مقاصد بیان کریں۔ Write two basic objectives of SUPARCO. iii. كون ى سيس يرويز في مرئ كى سط في مثى اورداكس كي موف ا كشف كي؟ Which space probe did collect the samples of soild and rocks from the surface of Mars? مصنوعی سیلائٹس کے دونوائد تحریر کریں۔ Write down two advantages of artificial satellites. Section-II نوث درج ذیل میں سے کوئی سے تین سوالوں کے جوابات تحریر سیجے۔ Note: Write answers of any three questions from the following: (8x3=24)5 (الف) تقرمل ياوراور نيوكليئر ياور كاموازنه كريں۔ 5(a) Compare thermal power and nuclear power. (ب) ازجی کے باہم تبادلہ پرٹوٹ تحریر یں۔ (b) Write a note on interconversion of energy. 6 (الف) ڈائریک کرنٹ اورآ کٹرنیٹنگ کرنٹ میں کمافرق ہے؟ وضاحت کریں۔ 6(a) What is difference between direct current and alternating current? Explain. (ب) اوہم کا قانون بیان کریں اور اس کی مساوات تحریر کریں۔ (b) State Ohm's law and write its mathematical form. 7 (الف) سنٹرل پروسینگ یونٹ (CPU) کی وضاحت کیجیے۔ 7(a) Explain central processing unit (CPU). (ب) ريورس بائيسة دُائيودُ كي وضاحت كريں۔ (b) Explain the reverse biased diode. 8 (الف) فاتبرآ پطس كاصول كى بارىين آپكياجائة بن؟ 8(a) What do you know about the principle of fiber optics? (ب) سیطلائش کے چندفوائد تحریر کریں۔ (b) Write down some advantages of satellites. 9 (الف) اليس ريز كي حيار استعالات تحرير كرير 9(a) Write four uses of X-rays. (ب) پاکتان کے پیس پروگرام کی سیارکو کیے دیکھ بھال کرتا ہے؟ (b) How does SUPARCO control Pakistan's space programme?

公公	No.	10th Genera	Science ودر کرے	: , ,	-	024 Group 2 Ra		di Board per Code 7 0 9 4
L					Part-II)-A All Sessi			• 6.
G	ener	al Science	(Object	tive) (FOI 7	411 3622	ions)	((	جنز ک سامکس (مروننی
Mark	(s: 15			(Gro	پ-up-II	(گروم		Time: 20 minutes
منے	ال نمبر کے سا	ت مجھیں جوالی کا پی پراس سوا	جواب كوآپ درس	C,اور D دیئے گئے ہیں،جس:	ابات,B,A	اکا پی پرلکھیئے ہرسوال کے جارمکنہ جو تات رہے کی سید کی سید	ائقُ معروضی جوالی ایر است	نوٹ: تمام سوالات کے جوابات دگ
Not	e: Write	answers to the	question		***	تعلقہ دائر ہے کو مار کریا پین کی سیا ہ eet provided. Four		answers A,B,C & D to
	each	question are giv	en.Which		ider con	rect, fill the correspond		cle A,B,C or D given in
1.1.	Air traffic	is controlled by:					ج:	1.1. هوائی ٹریفک کو کنٹرول کیا جاتا.
	(A) S	سیطلائٹ سے atellite	(B)	مدارے Orbit	(C)	راۋارے Radar	(D)	ليزرت Laser
2.	When SI	JPARCO came into	being?					2. سپار کوکب قائم ہوا؟
	(A)	1956	(B)	1961	(C)	1973	(D)	1990
3.	An institu	ute for running the s	space progr	amme of Pakistan is	:	:4	لانے والا ادارہ	3. پاکستان کے سپیس پروگرام کوچ
	(A)	سپارکو SUPARCO	(B)	NASA Lt	(C)	کییپ Kanupp	(D)	چشنپ CHASNUPP
4.	SI unit o	f work is:						4. ورک کاا Sایونٹ ہے:
	(A)	گرام Gram	(B)	میٹر Meter	(C)	Joule .	(D)	
<b>5</b> .		n a body due to its				(0)		5. كى جىم ميں پوزيش كى وجهة
	(A) Pot	ے از کی ential energy	B) K) پولینشا	بلک از جیinetic energy	(C) کائی۔	Light energy טאול.צ		حرارت کی از جی eat energy
6.	By burn	ing fossil fuels, we	get:		10	725		<ol> <li>6. فوسل فيواز كوجلانے ہے حاصل</li> </ol>
		•		تول بإور Tidal power	A	سولر یاور Solar power		nermal power کھرل پاور
7.			ow current t	o pass through it over	er a certai	<i>ارنٹ کڑر نے ہیں</i> n	ره حدے زیادہ	7. ایسا آلہ جوسر کٹ میں ایک مقر دینا کہلا تاہے:
	limit is (	raneu. بلب Bulb	(B)	Fuse jeż	(C)	ہیر Heater	(D)	Switch &
8		li ampere (1mA) is	. <			30/		8. ایک ملی ایمپیئر ہوتاہے:
v.	(A)	10 <sup>-1</sup> A	(B)	10 <sup>-2</sup> A	(C)	10 <sup>-3</sup> A	(D)	10⁴ A
9.		trument that measu	, ,	is called:	GATH	ON SY	)-T. T	9. كرنث ماين والح آلے كانا و
	(A)		(B)		(C)	یوانومیٹر Galvanometer	(D)	اوہم میٹر Ohm meter
10.		rmer consists of:			in fam.	105		10. ٹرانسفار مرشتمل ہوتا ہے:
	(A)	Five coils یا کی کوائل پر	(B)	چارکوائل پر Four coils	(C)/.o	تین کواکل پر Three coils	(D)	دوکواکل پر Two coils
11.		one of these is semi						11. ان میں کون ساسیمی کنڈ کٹر ہے:
	(A)	گولڈ Gold	(B)	مليكان Silicon	(C)	Copper 🞸	(D)	Silver سلور
12.	The de	vice which is used to	convert A	C voltage to DC voltage	age is call	led:	•	12. اےی کوڈی میں بدلنے والی
	(A)	کمپیوٹر Computer	(B)	نیلی فون Telephone	(C)	ریکی فائر Rectifier		ایمیلی قائر Amplifire
13.	The na	me of interconnection	on of million	ns of computers is:		4	كانام ہے:	13. لاکھوں کمپیوٹرز کے باہمی رابطے کہ م
	(A)	انٹرنیٹ Internet	(B)	ای کیل Email	(C)			io cassettes آڏيوسٽس
14	. In whic	h form, signal is ser	nt in optical	fibre?			40 (20)	14. آپٹیکل فائبر میں تگنل کوکس شکل ث
	(A)	اليكثرك Electric	(B)	ریڈیوویو Radio wave	(C)	مائنگرووبو Microwave		روشن Light
15	. Emissi	on of radiations from	nucleus is	said to be:		•/ -		15. نیوکلیس سے دیڈی ایشنز کا اخرار د کاروژہ
	(A) Ch	ی ایکشنemical reaction				ری ایکشن omic reaction		نیوفیئرنشن luclear fission
			Please	e visit for more	asteolea a	at: www.pakcity	.org	

10th General Science Subjective Paper 2024 Group 2 Rawalpindi Board SSC.(Part-II)-A-2024 امیدوارخود پر کر ہے Roll No. جزل سأئنس (انثائه) General Science (Subjective) (For All Sessions) Time: 2:10 Hours (کروپ-II-Group) Marks: 60 حصداول Section-I 2. درج ڈیل میں سے کوئی سے چھا جزاء کے مختصر جوامات تح رکھے۔ 2. Write short answers of any six parts of the following: (6x2=12) i. روتی کا ازجی ہے کیامرادے؟ i. What is meant by light energy? ii. آپ آفرنل یاور کی تعریف کیسے کریں گے؟ ii. How would you define thermal power? جيوهرل ياورے كيامرادے؟ iii. What is meant by geo thermal power? بائیوراس سے بانیوگیس کے تصول کا کیاطر بقہے؟ iv. What is the method to produce bio-gas from bio-mass? انر جی کے تحفظ کے دوطر تقے تحریر کس۔ v. Write any two methods to conserve the energy. ریدی ایش کے خطرات سے بحاؤ کے دوطر یقے تحریر کریں۔ vi. Write any two ways (methods) for protection from dangers of radiations. كند كثر كى رزستنس كى بوى وجه كيا ہے؟ vii. What is the main reason of resistance of a conductor? viii. سون كابنيادى كام كيات؟ viii. What is the basic function of "switch"? ix. ٹرانسفارمرکیاہے؟ ix. What is transformer? درج ذیل میں سے کوئی سے چھاجزاء کے فقر جوابات تر مر سیجے۔ 3. Write short answers of any six parts of the following: (6x2=12) ٹرانسفارمر کافعل تحریرکریں۔ i. Write the function of transformer. ریکٹی فی کیشن کے بارے میں آپ کیاجائے ہیں؟ ii. What do you know about rectification? iii. ایمیٹر کے دواستعالات تج برکریں۔ iii. Write two uses of ammeter. iv. سیمی کنڈ کیٹرڈ ائیوڈ کی تعریف بیان کریں۔ iv. Define semiconductor diode. کلر فی وی میں کتنی گنز اوران میں کون سے کلر ہو 🚅 یں 🥍 v. How many guns are in colour TV and which colors are present in them? vi. کمپیکٹ ڈسک کیاہے؟ vi. What is compact disk? vii. دُوینگ کامطلب کیاہے؟ vii. What is meant by dopping? viii. مانیٹر کی تعریف کریں۔ viii. Define monitor. ix. فلالى دُسك كے كہتے ہىں؟ ix. What is floppy disk? درج ذیل میں سے وئی سے جھا جڑاء کے فقر جوابات تحریر سیجے۔ 4. Write short answers of any six parts of the following: (6x2=12) فائبرآ پیلس کےاصول کی وضاحت کریں۔ i. Explain principle of fibre optics. آئسوٹویس کی تعریف مثال ہے کریں۔ ii. Define isotopes with one example. iii. الفاريز كي دوخصوصيات تحريركري\_ iii. Write two characteristics of Alpha-rays iv. ایس ریز کسے پیراہوتی ہیں؟ iv. How does x-rays produce? ٧. الٹراساؤنڈ کے دواستعالات تحریر کریں۔ v. Write two uses of ultrasound. vi. مصنوى ريشه كے جارنام تحريركريں\_ vi. Write four names of artificial fibre. vii. ميٹرولوجي کي تعريف بيان کريں۔ vii. Define meteorology. viii. سارکو کے بنیادی مقاصد کیا ہیں؟ viii. What are basic objectives of SUPARCO? ix. خلاباز پیس سوف کیوں بہنتے ہیں؟ ix. Why Astronauts wear space suit? Section-II نوث ورج ذیل میں سے کوئی سے تمن سوالوں کے جوابات تحریر سیجے۔ Note: Write answers of any three questions from the following: (8x3=24) 5 (الف) انرجی کے تحفظ کیلئے تجاویز تح ریکریں۔ 5(a) Write suggestions for conservation of energy. (ب) بحلی پیدا کرنے کے دوغیرروائق طریقے بیان کریں۔ (b) Describe two non-traditional methods of producing electricity. 6 (الف) مرکث کے اجزاء بیان کریں اوران کی وضاحت کریں۔ 6(a) Describe components of circuit and explain them. (ب) اسے اورڈی می کرنٹ کا استعال بیان کریں۔ (b) Explain the uses of AC and DC current. 7 (الف) كېيورككوئى سے جارا بم حصول يرنو ئى تريكريں ـ 7(a) Write note on any four parts of computer. (ب) ریڈیود یوز کیا ہوتی ہیں اور ریڈیوکی شریات ہم تک کیے پیچی ہے؟ (b) What are radio waves and how radio transmissions reach us? 8 (الف) فائبرآ پنگس كااصول اور دونوا ئدتم بركرين \_ 8(a) Write principle and two uses of fibre optics. (ب) مِیدُ لینِ اوراغْرسْرِی کے شعبوں میں پاکتان اٹا مک از بی الطامی (ب) مِیدُ لینِ اوراغْرسْرِی کے شعبوں میں پاکتان اٹا مک از بی . نیشن کی خدمات کی نشاند ہی کریں۔ in the fields of medicine and industry. 9 (الف) النُرْاساؤنڈ کیاہے؟اس کے چیفواند تحریر ہیں۔ ( ب) مسنوع سیطائنش کی افادیت بیان کریں۔ 9(a) What is ultrasound? Write six uses of ultrasound. (b) Describe the utility of artificial satellites. 44-10-A Please visit for more data at: www.pakcity.org

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Note:

The unit of energy is: 1.1 (A) Newton 2. Energy possessed by a body due to its position is called: (A) (C) \_3 The radiations produced during nuclear reaction: (A) ∝-rays The device used for turning a circuit ON or OFF is: (A) Switch Conventional current is a flow of: نيكشو/ منق جارجركا (B) Positive charges (A) Negative charges Beta Particles اليكثر ونزكا (D) (C) **Electrons** ٹرانسفار مرمیں کو آئل کی تعداد ہے۔ -6 The number of coils in transformer are: (D) Four (C) Three (B) Two (A) One مختف رزسر ز کی قیتیں جس شکل میں ظاہر کی جاتی ہیں۔ 7. Values of different resistors are expressed in the form of: (D) Points (C) Diagram (A) Coloured Bands رنگ داردهاریال (B) Digits نی-ٹائپ سیمی کنڈ کٹرزمیں زیادہ کرنٹ کاذر یعہ In P-type semi-conductor, most of the current is due to (C) Positive ions بزيمو آئز (D) Atoms 1/ se B) hole) آزاد اليكثر ونز (A) free electrons سلیکان چرواڈک فیل کے جس مروب میں یا یاجا تاہے۔ -9 In periodic table, silicon is found in the group number: (B) 2<sup>nd</sup> تيرے (C) 4th كميور مي كى خاص كام كيليح بدايات كى لىث كهلاتى ي -10 A list of instructions in a computer for particular task: 10. (A) World processing ورزيروسينك (B) Graphics روگرام (D) Data (C) Programme فائبر آپھس روشن کے جس اصول پر کام کرتی ہے وہ ہے۔ The principle of light on which the fiber optics works is: \_11 ريفريكشن Refraction (B) (A) Reflection نوغل انثرتل ريقليكشن (D) Dispersion Total internal Reflection (C) -12 The signals given to radar are in the form of: (D) Sound waves

مائتكرود يوز الفاريز (C) Micro waves (B) ∝-rays أيليكل فابرزنيس تاربو تاب -13 Optical fibers are fine strands of: 13. (D) Metals کلاس کے (C) Glass (B) Iron آئزن کے (A) Steel سياركواداره قائم بول -14 SUPARCO came into being in: 14. 1990 (D) (C) 1973 1961 1956 **(B)** (A) وه ایجاد جسکی وجہ سے خلائی سفر ممکن ہوا۔ -15 Space travel became possible due to the invention: (D) Helicopter داكث ہوائی جہاز (C) Rocket (B) Aero plane (A) Missile Please visit for more data at: www.pakcity.org

(C)

Please visit for more data at: www.pakcity.org

(D)

2

(A)

**(B)** 

energy offence (publicants) Marks: 60 10th General Science Subjective Paper 2023 Group 2 Rawalpindi Board كوكى سے جد اجزاكو عل يجير (2x6=12)2. Attempt any six parts of the question. ورک اور از می می فرق بیان کھے۔ (i) Describe the difference between work and energy. نیو کلیئر فشنے کامرادے؟ (ii) What is meant by "Nuclear Fission"? (iii) کروہوائی کی تعریف سیجھے (iii) Define atmosphere. يادر كى تعريف يجي ادراس كافارموله مجى تحرير يحيي (iv) (iv) Define power and also write its formula. بائیماس ے انوعیس کے حصول کاکیا طریقہے؟ (v) What is the method to produce Bio-gas from bio-mass? نو کلیئرریڈی ایشز کے دونقصانات تح پر سکھتے Write down any two disadvantages of nuclear radiations. (vi) اليكثرك كرنث كى تعريف يجيج ادراس كافار مولد تحرير كيجيز (vii) Define electric current and write its formula. (vii) ڈائی الیٹرک کیاہے؟ (viii) What is dielectric? (viii) (ix) ہے اسکا وفریس سے کیامرادہ؟اسکا ہوند بھی لکھے۔ What is meant by potential difference and also write its unit? (ix)کوئی ہے تھ اجزاکو حل میجے۔ 3. (2x6=12)Attempt any six parts of the question. لا ئيودائر اور نيو ٹرل وائز پيل فرق بيان كريں؟ (i) How would you differentiate live wire and neutral wire? What actions would you take in emergency for administration of کی ایر جنی کی صورت میں آپ فسٹ ایڈ کا ابترام کیے کریں مے؟ (ii) (ii) 'First Aid'? كنونشنل كرنث كالعريف كريع؟ (iii) How would you define the conventional current? (iii) سی کا کر کر ایل ادائے تام تعیں۔ (iv) What are semi-conductors? Write the name of any two. (iv) ریکٹی فیکیشنے کامرادے؟ (v) What do you mean by Rectification? (v) فوٹوڈائیوڈکے متعلق آپ کیاجائے ہیں؟ (vi) (vi) What do you think about photodiode? ہارڈویئراورسافٹ دیئر میں کیافرق ہے؟ (vii) Differentiate between hardware and software? (vii) (viii) ٹیلی کیمیونیکبشنے کامرادے؟ What you mean by telecommunication? (viii) کوئی سے مار انفار میشن سٹور تے ڈیواٹسیز کے نام کھیں۔ (ix) Write any four names of information storage devices. (2x6=12) (ix) كونى سے جھ اجراكو على يجير 4. Attempt any six parts of the question. (i) ليزر كوروشي كانشتر كيون كها ها تايد؟ (i) Why laser is called light knife? (ii) راوارکے کام کرتاہ ؟ (ii) How radar works? الفا ریڈی ایشتر کے بارے میں آپ کیا جائے ہیں؟ (iii) What do you know about alpha radiations (iii) (iv) ایکس ریز کے دو فوائد لکھیں۔ (iv) Write two advantages of X-Rays. (v) فارماسیوشیکل انڈسٹری کی تعریف کریں۔ Define pharmaceutical industry. (vi) مٹیل کے کیتے ہی؟ What is steel? (vi) (vii) کیس پروبز کے بارے ٹین آپ کیا جائے ہیں؟ What do you know about space probes? (vii) مبل ٹلی سکوپ کے بارے میں تکھیئے۔ (viii) Write about Hubble telescope. (viii) (ix) إكتان ويلانك الشي نو كاواره كون قام كما كما ؟ Why was Pakistan Welding Institute established? (ix) Section - II لوث: -ورج ذیل میں سے کو لی سے عمل سوالات کے جوابات حوے کریں۔ (8x3=24)Attempt any three questions from the following: Note: تحرمل نولیوش سے کیامراد ہے؟اسکی تین وجوبات بیان کیجے۔ What is meant by thermal pollution? Write its three causes 5. (a) Describe the method to measure natural gas in detail and (ب) نیچرل میس کی میانش کے طریقہ کی وضاحت کیجیج نیز Biu اور جول کے مابین تعلق (b) mention a relation between Btu and Joule. اليكثريش ك خطرات يرلوث كعين ادراس يجيزى كوئى مارامتيا في قداير كليف Write a note on dangers of electricity and also write its (1) -6 6. (a) any four precautionary measures. (ب) اوجم كا قالون بيان يجي ادراس كوحيالي فكل بين لكيية State Ohm's law and also write its mathematical form. (b) فیلی ویژن کووضاحت کے ساتھ بیان کریں۔  $(1)_{-7}$ Write explanatory note on Television. 7. (a) (ب) کیس مثین اور ٹیکیس مثین برجامع نوٹ کھیں۔ Write note on Fax Machine and Telex Machine. (b) 8- (1) ماڈار "RADAR" کیاہے؟ یہ کس طرح ہماری مدو کر تاہے؟ What is "RADAR"? How does it helps us? (a) (ب) الراساة نذك جاد فواكد تريركريد Write any four advantages of ultra sound. (b) 9۔ (1) یاکتان کے سپیس پروگرام کوبیان کھیے۔ Describe space programme of Pakistan. 9. (a) (ب) سپیس پروگرام کی اہمیت پر مختر آلوث کھیئے۔ Write a brief note on the importance of space programme. (b) 40-10-A

#### 10th General Science Objective Paper 2022 Group 1 Rawalpindi Board S.S.C-(Part-II)-A-2022 7 0 (For all sessions) Paper Code Roll No. گروپ-I-Group **جزل سائنس** (معربنی) General Science (Objective Type) وقت:20 Minutes منك ، روں وہ اللہ ہے جوابات دی گئی معروضی جوابی کا پی پر کیھیئے ہرسوال کے چار مکنہ جوابات C,B,A, اور اور کے گئے ہیں، جس جواب کوآپ درست سمجھیں، Marks: 15 جوانی کا نی براس سوال نمبر کے سامنے جزو C, B, A یا C کے دائروں میں سے متعلقہ دائر کے مارکریا پین کی سیابی سے جردیں۔ NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided. 1.1. One miliampere is equal to: (D) 10<sup>-12</sup>A (C) 10<sup>-9</sup>A (B) 10<sup>-6</sup>A (A) 10<sup>-3</sup>A 2. Hurdle in flow of charges is called: (D) Shunt (A) Viscosity وسكائى (B) Gravity (C) Resistance 3. The unit of charge is: (D) Ampere واث (B) Watt كولومب (C) Joule 4. لائواور نیوٹرل دائر کے درمیان \_\_\_\_\_ دولٹ کا پیُ 4. The potential difference between live wire and neutral wire is: (D) 240 V (C) 230 V (B) 220 V (A) 210 V 5. بیری ہمیں ازجی مہیا کرتی ہے: 5. Battery provides us energy: اکترازی (B) Sound energy (A) Heat energy حرارتی ان جی (D) Electrical energy (C) Nuclear energy نیوکلیئراز جی 6. یا در کا کونساذر بعدر دائیتی نہیں ہے؟ 6. Which source of power is not traditional one? نوکلیئر C) Nuclear (C) (D) Solar (B) Hydro (A) Thermal 7. إيككلوداك برابري: 7. One kilo-watt is equal to: (D) 10000W (B) 100W (C) 1000W (A) 10W 8. لى ٹائىيسى كند كرز مىں كرنك بہنے كاسب ہيں: 8. The cause of flow of current in p-type semi-conductors are: (D) Positrons يُوزيرُ وزُ روثوز (B) Protons) اليكثرونز (C) Holes 9. كارشلى ويرن مي اليكثرون كنزكى تعداد موتى بين: 9. The number of electron guns in colour television is: (D) Five El (C) Four (A) Two 93 (B) Three 10. ياكة وَث بِث آله ب: 10. It is an output device: مونير Monitor (D) (A) Keyboard کا اورد (B) Mouse کا اورک ال (C) C.D (3-5 11. كونى چز گئے منہيں يائى جاتى؟ 11. Which component is not found in sugar cane? (A) Glucose گلوکوز (D) Chlorine الی Water فا بر Fibre (C) 12. كونساقدرتى ريشنيس ي 12. Which is not a natural fibre? t كيلون Nylon (D) كاش Cotton كاش (C) Silk I جوك Jute (B) 13. The process of radioactivity was discovered in: (D) 1898 (A) 1895 (B) 1896 (C) 1897 14. The man landed on Moon in: (D) 1989 (B) 1969 (C) 1979 (A) 1959 15. یاکتان کے پہلے مصنوی سیلائیٹ کانام ہے: 15. The name of the first artificial satellite of Pakistan is: ریک (B) Sputnik-1 1-سیکک اسكوا SKUA (A) (D) Badar-1 (C) Rahbar נזא 37-10-A-☆

			(1-01 (-11) -A-2022	2 Group 1 Rawaipinui Boa	
Roll No	میددارخودپر کرے	(For a	Il sessions)	بي	1 -
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كِلْمُبر: 60			•	عضي حسه اوّل	وتت:2:10
12=6x2	2 11 2 2 11	9	u (a)	میں سے کوئی سے چھا جزاء کے خضر جوابات تحریر میجئے۔	2- درج ذيل
	لنوینشنل کرنٹ کی تعریف کریں۔	6	شارب سرکٹ سے کیامراد	-	
a	رڈ ویئر کے جاراہم حصوں کے نام کھیئے ۔		اليكِرِّرانكس كي تعريف ليجيئے -		
	کتان کے دونیوکلیئر پاور پلانٹس کے نام اور م	ix. پ	وچ کاکیا کام ہوتا ہے؟	- · · · · · · · · · · · · · · · · · · ·	
12=6x2	کارنا بروس نر کی		گیلوانومیٹر کیاہے؟	یں ہے کوئی ہے چھاجزاء کے محقر جوابات محریہ کیجئے۔ میں ہے کوئی ہے جھاجزاء کے محقر جوابات محریہ کیجئے۔	
15	وکلیئر فیول ہے لاحق دوخطرات تحریر کیجیئے ۔ ادبی کے زیر ۵۵۷ سے سہتہ لانہ تح	4 .III 7	. ~	4 3 7 3	
- 22/	لٹرنیٹنگ کرنٹ(AC) کے دواستعالات تح حول کی اہتری ہے کیا مراد ہے؟		فیوز کی تعریف کیجیئے۔ میرور کی تعریف کیجیئے۔	( , , ,	•
12=6x2	تون نابرن سے تیا تراد ہے:	1X	ہارڈ ڈسک کیاہے؟	یکنالو بی کی تعریف بھیئے ۔ پس سے کوئی سے جھاجزا و کے مختصر جوابات تحریر کیجئے۔	
12-072	أئسونو پس كى تعرىف كيچيئے اورايك مثال دير	ند لِکھس iii	ا کیس ریز کے کوئی ہے دوفا	یں سے فون سے چھا براء سے سر بواہات کر رہیں ہے۔ تی کی تعریف کیلئے ۔	
	م در ہوں کریں ہے اور میں ماں در مزی ہے کیا مراد ہے؟		ایک روز کے دن کے روز کا مراد. ''کرشل بنانا'' ہے کیا مراد		
	بیس پروبز کیا ہیں؟ایک مثال دیں۔		سکواکیا ہیں؟ انکافعل تحریر کر		
24=3x8			22)0 0 011	ביי נים ביי ני	
			ریں۔	ذیل میں ہے کوئی سے تین سوالات کے جوابات تحریر <sup>ک</sup>	لوث درج
04=3+1	۔ کہتے ہیں اور اس کا ماحول پر کیا اثر پڑتا ہے؟	ب) تقرمل پولوش کیے		جَى كَي تَعريف كِيجِيرُ _ كَاكِي نَعِكَ الرجي اور يُومِينشل إنرجي مِينَ	
	رات پر قابو پانے کی کوئی ہی چارا حتیاطی تد ابیر بر			پیسٹر کی مختلف اقسام اور ان کے استعالات بیان کیجیئے۔	
04=4x1	ؤث پرف آلات کی وضاحتِ کریں۔	ب) کمپیوٹر کے جارآ	مالات بیان کریں۔  04 (	نی خارج کرنے والے ڈائیوڈ کیاہوتے ہیں؟ان کے تین استد	
رريجينے ـ 2+2=04	ے کیام او ہے؟ الفاریڈی ایشنز کی دوخصوصیات تح	ب) ریڈ پوریکٹیویٹی۔	04=3+1	راساؤنڈ کیا ہیں؟اس کے تین استعالا ہے جا ک کریں۔	
ت کھیئے ۔ 04=4x1	<i>عین</i> یا کشان اٹا مک انر جی میشن کی خدمات	ب) میڈین کے شع	ات بين؟ 1+3=04 (	PINSTEC كياب؟ ملك كاتر في يين ال كي الحد	9.(الف) H
~	10.		Pom	<u> </u>	
Genera	al Science (Ess	ay Type)	Group-	(For all sessions)	
Time: 2:10	Hours	Se	ection-I	Total M	larks: 60
	ort answers of any six	and the second s			
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	nergy and write its unit.	(0)	ii. What is mea	nt by short circuit?	2x6=12
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(D) 10000

(C) 1000

(A) 10

(B) 100

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أميدوارفوديز كرے	(For all sessions) تاکن) گروپ-اا	دول سائلس دو
3 6	نان) کروپ-۱۱	جنزل سأنسس (الأ
كل نمبر: 60	حضه اول	وتت:2:10 مُفنَّح
12=6x2	اجزاء کے <i>حفر جو</i> ابات محربی میجئے۔ 	2- درج ذیل میں سے کوئی سے جھ
أأ. مُمْلِي كميونيكيش كي تعريف كريں - در شار مار كى خريف كريں -	ے؟ ii ماحول کی ابتری سے کیا مراد ہے؟ ii	i. نیوکلیئر فیوژن سے کیام اد ہے ان کی کی دن کے طاقہ
۷. شارٹ سرکٹ ہے گیامراد ہے؟ i)۔ ایلاسٹک پوئیشل انر جی کی تعریف کریں اور مثال کھیں۔	کہیں کی جارت کی استان کی جارت کا ان ان ان کا ا کے کریں۔ یا Viii. ریکن فیکیشن سے کیا مراد ہے؟ ×	iv. سرکٹ کے اجزاء تے نام لکھیا vii. رپورس بائیسیڈ ڈائیوڈ کی تعریف
12-6-2	18 6 112 25 100	3- درج ذیل میں سے کوئی سے جوانا
ii. کلر ٹیلی ویژن میںالیکٹران گنز کا کیا کام ہے؟ v. فلا پی ڈسک اور ہارڈ ڈسک میں فرق بیان چیئے ۔ نند کی کور سے مصالح کسر در میرک فات	ادرات کردیا تا رئیب این کلوواٹ مقدار کی وضاحت کریں۔ ii	i. انرجی کی طلب سے کیا مراد ہے
٧. فلا في ڈسٽ اور ہارڈ ڈسک میں فرق بیان کیجئئے ۔	v ملتی میر کس کام آتا ہے؟	E.E.G .iv
i) فکسڈ اور دریں اینک کمپیسٹر زمین کیافرق ہے؟	ن عليے -	vii. البکٹرونکس کیاہے؟ اسکافنکشر
12=6x2	اجزاء ليحقر جوامات محريجئي	4- درج ذیل میں سے کوئی سے چھا
ii. جیوسٹیشزی مدارے کیا مرادے؟	ستعال کی جاتی میں؟ '' ii. ای-سی-جی کے دوفا کد کے کصیئے۔ i	i. کیزر بنانے کیلیے کو کی اشیاءاُس
۷. سٹیل میں بختی کس طرح پیدا کی جاتی ہے؟	تے رکیجیئے۔ v. سی-ٹی سکین سے کیا مراد ہے؟ i	iv. ریڈ ہوآ ئسوٹو پس کے دوفا کد
i). ہبل ٹیلی سکوپ کے بارے میں آپ کیاجائے ہیں؟		vii. مصنوعی سیطلائیٹ کے دوفا کد
24=3x8	حقد دوم	
	مے وفی سے تین سوالات کے جوابات تحریر کریں۔	نوث: درج ذیل میں۔
ين- ين-	کوئی ہے دوغیرردا یی طریقے بیان گریں۔ 04 (ب) انر جی کے تحفظ پرنوٹ کامی	5.(الف) انرجی کے حصول کے
کے کام اورا قبیام کی وضاحت کریں۔ 1+1+2=04 سے تبد فی رہنے کئی ہے۔	یں اوراس کی مساوات کلھیں۔ 2+2=00 (ب) ٹرانسفار مرکبائے؟اس۔ 6 فراک نشار سری کر سینجتر میں 24	6. (الف) أوتهم كا قالون بيان كر
. کے نین قوا کد کر پر چکیئے ۔ 04=2+2	ں؟ ریڈیو کی نشریات ہم تک کیے بیچی ہیں؟ 04 (ب) انٹرنیٹ کیا آئے؟ انٹرنیٹ سےطب کے میدان میں کیا کیا سہولیات آئی ہیں؟ سی ایک وتفصیل ہے بیان کھیں۔	7. (الف) ريد يوويور نيا هوي عر
04		
ام كےميڈين اورزراعت ميں دودواستعالات لکھيں۔ 2+2=04	رام کیائے؟تفصیل کے نیوکلیئر روگر	(ب) کیدرانڈسٹری کے متعلق 9.(الف) پاکستان کاسپیس پروگر
		*
General Science	y Type) Group-II (For all sessions)	
		T-4-1 M1 (0
Time: 2:10 Hours 2- Write short answers of any six pa	Section (1)	Total Marks: 60 2x6=12
i. What is meant by nuclear fusion?	ii. What is meant by degradation	
		on or environment.
iii. Define Telecommunication.	iv. Write the names of compone	
<ul><li>iii. Define Telecommunication.</li><li>v. What is meant by charging of a ca</li></ul>	iv. Write the names of compone	ent of circuit.
v. What is meant by charging of a ca vii. Define reverse biased diode.	iv. Write the names of compone vi. What is meant by short circu viii. What is meant by rectificatio	ent of circuit. uit?
<ul> <li>v. What is meant by charging of a ca</li> <li>vii. Define reverse biased diode.</li> <li>ix. Define elastic potential energy and</li> </ul>	iv. Write the names of compone vi. What is meant by short circu viii. What is meant by rectificatio I write an example.	ent of circuit. uit? un?
<ul> <li>v. What is meant by charging of a cavii. Define reverse biased diode.</li> <li>ix. Define elastic potential energy and 3- Write short answers of any six page 1.</li> </ul>	iv. Write the names of compone vi. What is meant by short circu viii. What is meant by rectificatio I write an example. arts from the following.	ent of circuit. uit? n? 2x6=12
v. What is meant by charging of a calvii. Define reverse biased diode. ix. Define elastic potential energy and 3- Write short answers of any six particle. What is meant by demand of energy	iv. Write the names of componer vi. What is meant by short circu viii. What is meant by rectification write an example.  arts from the following.  gy?  ii. Explain the quantity of One because of the property of the propert	ent of circuit. uit? n? 2x6=12
v. What is meant by charging of a calvii. Define reverse biased diode. ix. Define elastic potential energy and 3- Write short answers of any six particle. What is meant by demand of energy	iv. Write the names of compone vi. What is meant by short circu viii. What is meant by rectificatio I write an example. arts from the following.	ent of circuit.  vit?  on?  2x6=12  kilowatt.
v. What is meant by charging of a calvii. Define reverse biased diode. ix. Define elastic potential energy and 3- Write short answers of any six particle. What is meant by demand of energiii. What is the function of electron guity. What is the use of Multimeter? vii. What is electronics?Write its function.	iv. Write the names of component vi. What is meant by short circul viii. What is meant by rectification write an example.  Arts from the following.  ii. Explain the quantity of One with viv. What is meant by E.E.G?  vi. Differentiate between Floppy viii. Differentiate between work and work are short or component.	ent of circuit.  iit?  2x6=12  kilowatt.  disk and Hard disk?
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Roll No	أميدوارخوريُ	(For all s	session	s)	Paper Code	7	0	9	5
		Group	محروب-۱-	-					
10th General Science	Objective	Paper 2021	Group	1 Rawa	alpindi Boar	d	مره		1
General Science	ce (Object	ive Type)			ننی)	) (معرو	المسر	لسر	7.
		me: 20 Minut	og 1.490.	<b>.</b> ".		,		11	نمبر: <u>5</u>
Marks: 15 درست مجھیں، جوالی کا لی پراس سوال نمبر	الما المارجي جوا کرآ	me: 20 Minut	ارمان حدال به ۵	ونت بدسدال کریدا	معرضي حيال كالي رلكهدير	نال ساکی			
ورست سين، بواني في پران سوال بنز	ن، ن بواب واپ				سرو کا بواباہ پی پر ہے D کے دائر ول میں ہے مت				
NOTE: Write answers to the	auestions or					250			
each question are given. Which		-							
of each question with Marker	or pen ink or	n the answer sh	neet provid	ed.					
1.1. The conversion of A.C y	(oltage in D.C	is called:			ندیل کرنا کہلاتا ہے:	ر. المنطق مين	للحرك	.Δ C	1.1
(A) Rectification فيكيش (A)	_		Diode	ا بنداد	ہدیں رہ ہن ہے۔	العاوون الم	.09 60	,,,,,	
(C) Doping وينگ	, ,	57 (7)			لرنے والا ڈائیوڈ de	ر منخ بنشار ج			
2. An intense beam of light	with same wa	velenath of all v	raves is cal	lled~	رکے والا دایود علی ان کمیان ولینگتیر ہورکہانی	روی حارت میں ترام مدن	بابيرجس	تن شخ	2
ا اليس دير Al Mense beam of light (A) X-Rays)		ا الله الاحتادة الاحت	E.C.G	7,5161	ט בשט פיני שאפיאיט (D) Radai		0 1-00	) 31 /2	.2
3. In which form signals are			L.U.G	J.00.	ا ۱۲ada (ط) ل میں بھیجاجا تاہے؟	77 79 79	رفائسر زملي	آينكا	3
(B) اليكثرك (A) Electric)			Radioway	UP JOJŽ	(D) Microv	-		<i>_</i>	.0
4. X-Rays are:	Light Up	(0)	Nadiowa	vo 2,2,2	) (D) Whole	: :	ا موتے ہیں اموتے ہیں	ا یکس مز	4
(A) Fast moving electro	بارالیشرانز ns	シェ (B)	High ener	rav phote	نائى والينو ٹانز ج			•	
(C) Fast moving proton					اوالے نیوٹرانز ons	,			
5. ECG is used to find the	1.7		<b>√</b>		میں تکلیف کا ثبوت حاصل		تى كے ذر	ای سی:	.5
(A) Coronary artery			Heart	(5)					
رماغ (C) Brain (C)		(D)	Kidneys	گردول					
6. Pakistan sent Skua in th	ne space in:	90)			خلاء میں بھیجا:	(SKUA)	ن نے سکوا	بإكتال	.6
(A) ,1973 A.D (B) ,	1974 A.D	(C)	,1975 A.D	)	(D) +1976	A.D			
7. The unit of energy is:	. <	M				ج:	) کا بونٹ ریسا	تواناكي	.7
(A) Joule (عول) (B)	Gram (K)	(C)	Meter >	Z.	(D) Kilogra	am رام	كلوا		
<ol><li>The energy due to move</li></ol>	ment of mole	cules is called:			نُ كَهِلاتي ہے:	ل وجهے توان	كاحركت	ماليكيولز	.8
(A) Electrical energy			Heat ener						
(C) Nuclear energy	نيوكليئراز?	(D)					, .		
9. The product of force and	distance cov	vered in the dire	ection of	بهلاتاب:	وكرده فأصلح كأحاصل ضرب	اسمت میں ط	ور قورس کی	فورس	.9
force is called:									
(A) Kinetic energy 3.	کائنیل انر		Heat						
(C) Power		pal(D)	Work	ورك			~ i•	(atd	
10. Potential difference is me		10)	01	- ,		رنا بإجاتا ب	ا ديفرس ا	لويسل	.10
(A) Ampere المبير (B) المبير (B)	وولٹ Volt	(C)	ohm م	او،	(D) Farad	فيراد		C	212
11. Microfarad is equal to:	1403 m	(0)	4 40-2 -		(D) Falad	ہوتا ہے: - 10	يراذ برابر	مالتيرو	.11
10.6 F (B) غرادُ (A)			10 <sup>-2</sup> F فيراز		۱۵ میراد <b>(۱۵)</b>	; ()	ريث	13.71	40
12. The current which change			B.C61		ل کرنٹ کہلاتی ہے: CD CD		יל בייים א	. این دا	12
(A) A.C (B) [			B.C りり		(D) C.D	ی د ی نے والا آلہ کہلا	<u></u> ب	7 1	40
13. The device to store the of (A) Resistor (B) (نرخر المراح)		/	Switch &	, ,					
		trol of electric o	Owner is:	15	D) Amme) کشده ایکانگه سرز	ر کرط جمل ان	Z)	الكف	11
14. The knowledge of behav (A) Electronics		ים אווטסווט פופטווט וט וט ו ומי/	Electric cu	irrent	<b>D)</b> Amme) ینٹرول کاعلم ہے: الیکٹرک کرنے ٹی	ے حرد ن اور	_ ترمت.	, i	. 14
(A) Electronics ریسرو (C) Computer		(D)	Television	ک ۱۱۴۴۱۱ بی ویژن	ایترک				
15. Which of the following is	a semi condi	1-1	CICVISION	טניש	<del></del>	نساسيى كنڈكٹ			
(A) Sodium رواي (B) (C			Chlorine	كلورين			0.0.	. לנטה	13
(A) Codidin (S) (D) C	Janoon Uin				w.pakcity.or				
		37-10-A-	WWW			9			

S.S.C-(Part-II)-A-2021

**AAA** 

(For all sessions) أمدوارخوريوكري Roll No. جزل سائنس (انثائی) وقت:2:10 محظ كل نمبر: 60 2- درج ذیل میں سے کوئی سے چھاجراء کے مختر جوابات تحریر کیجے۔ 12=6x2 ۔ ورق ویں میں صفوق ہے ہو ہو ہو ہو ہو ہو ہو ہو ہے۔ i. سور سکڑے کی طرح از بی حاصل ہوتی ہے؟ ii. از بی کی تعریف کریں اور اسکا بوٹ کھیں۔ iii. سرکٹ وائر نگ میں سون کی کیا کام ہے؟ iv. بیٹری میں کون ساری ایکشن ہوتا ہے؟ iv. ایک سرکٹ کے مختلف اجزاء کیا ہیں؟ iiiv. رزشش کی وجہ کیا ہوتی ہے؟ 3- درج ذیل میں سے کوئی سے جھاجراء کے تقر جوابات تحریر سیجے۔ 12=6x2 iii. لېينشل د فرينس کې تعريف کرين اوراس کا اکا يونث کلهيس\_ ۱۷. الیکٹرومیکنیک ویوز کی تعریف کریں۔ vi. بارڈ ویئر اور سوفٹ ویئر میں فرق واضح کریں۔ ix. ڈیٹامینجنٹ(management) کیاہے؟ vii. منٹرل روسینگ بونٹ کیاہے؟ 4- درج ذیل میں سے کوئی سے چھاجراء کے فقر جوابات تر رہے ہے۔ 12=6x2 ر جواہات خریر بیجئے۔ ii. ٹوٹل انٹرال ولکیٹن سے کیام او ہے؟ iii. ایکس ریز کیا ہیں؟ v. ای- ی- بی سے کیام او ہے؟ vi کار کیکئیے کے دواستعالات تحریر کیجیئے ۔ iix کیا ہے؟ NASA) کیا ہے؟ i. ليزركيا بي؟اس كاايك استعال للصير\_ iv. الٹراسا وَنڈ کے دواستعالات کھیئے ۔ vii. جبل ٹیلی سکوپ سے کیا مراد ہے؟ 24=3x8 نوث درج ذیل میں سے کوئی سے تین سوالات کے جوابات تحریر کریں۔ 5. (الف) الكثريكل انرجى كى يمائش كس يون يس كى جاتى ب؟ الكثريت كى يمير كام كرن كاصول اورطريقه بيان كرير-5. (الف) البلتريه الربي ل بياس س بين من ما جائيل من عبد من المستدين مين الرب البلترية الربيديون مين المستدين مين الرب البلترية المستدين ا General Science (Essay Type) Group-I (For all sessions) Section -I Time: 2:10 Hours **Total Marks: 60** 2- Write short answers of any six parts from the following. 2x6=12 i. How is energy obtained from solar cells? ii. Define energy and write its unit. iii. What is the function of switch in circuit wiring? iv. Which reaction takes place in battery? v. Write the method of measuring natural gas. vi. Differentiate between work and energy. vii. What are the different components of a circuit? viii. What is the reason of resistance? ix. How can tidal energy be used for producing electricity? 3- Write short answers of any six parts from the following. 2x6=12 i. What is meant by electric shock? ii. Differentiate between fuse and switches. iii. Define potential difference and write its unit. iv. Define electromagnetic waves. vi. Differentiate between hardware and software. v. What is computer? vii. What is central processing unit? viii. Define telecommunication. ix. What is data management? 4- Write short answers of any six parts from the following. 2x6=12 pakcin ii. What is meant by total internal reflection? i. What is laser?Write its one use. iv. Write two uses of Ultrasound. iii. What are X-rays? vi. Write two uses of C.T Scan. v. What is meant by E.C.G? viii. What is NASA? vii. What is meant by Hubble telescope? ix. Define meteorology. Section -II 8x3 = 24Note: Answer any three questions from the following. 5.(a) In which unit is the electrical energy measured? Describe the principle and working of electricity meter.

10th General Science Subjectives Paper 2024 Group 1 Rawalpindi Board

- (b) Write the names of conventional methods of electricity production and explain its one method.
- 6.(a) Write two uses of each A.C current and D.C current.
  - (b) Explain circuit wiring.
- 7.(a) Write a comprehensive note on programming or software engineering.
  - (b) Write four advantages of internet in modern era.
- 8.(a) Present age is the age of science and technology. Discuss.
  - (b) Describe the uses of optic fibres.
- 9.(a) Write two uses of each nuclear technology in agriculture and medicine fields.
  - (b) Write a brief note on the importance of space programme.

☆	10th General Science Objeetfve中的2021						Group 2 Rawalpindi Board					
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	of soundwaves in 5 <sup>-1</sup> (B) 44		(0)	540 ms <sup>-1</sup>			(D)	يُر ہوتی ہے: 1:00 mg	کور ق سپیب	سأؤندو	هوال	. 13
	n signal is sent ir		(6)	540 MS			7 6	640 ms <sup>-1</sup> بس شکل میں بھیجا	بگناس	٠١٠ ملر	ب ماد کا	4.4
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- iv. Why is main switch used?
- vi. When does diode become reverse biased?
- viii. Write the difference between RAM and ROM.

- vii. What is the role of holes in P-type conductor?
- ix. What is meant by carrier waves?

## 4- Write short answers of any six parts from the following.

i. What is meant by laser employed as light scalpel?

- iii. Write two properties of X-rays.
- v. What is C.T. scanner?
- vii. Define Meteorology.

- ii. What are communication satellites?
- iv. What is meant by Ultrasonic?
- vi. What is meant by angeography?
- viii. What is space suit?
- ix. Write down the names of Nuclear Power Plants of Pakistan.

#### Section -II

8x3 = 24

2x6=12

### Note: Answer any three questions from the following.

- 5. (a) Write notes on any two kinds of energy.
- (b) Explain wind power and Tidal power.
- 6. (a) What is resistance? Define the unit of resistance
  - (b) What is capacitor? Write three uses of capacitor.
- 7. (a) Explain "Hard Disc".

- (b) Define communication. Write its three basic components.
- 8. (a) How are X-rays obtained? Write their properties and uses.
  - (b) Describe four uses of ultrasound.
- 9. (a) Write a brief note on space programme of Pakistan.
  - (b) Describe the services of Pakistan Atomic Energy Commission to achieve the peaceful nuclear energy.

 $Roll\ No.$ (For all sessions) أميدوارخوريؤكر 10th General Science Subjective Paper 2020 Group 1 Rawalpindi Board مند انتائيا) كل نمبر: 60 2- درج ذیل می سے کوئی سے جواج او کے فقر جوابات قریر سیجے۔ 12=6x2 .ii حرف یا در کیا ہے؟ ۷۔ نوکلئیر فض کی تعریف کریں۔ iii. ازجی کے بچاؤ کے دوطریقے تکھیں۔ i. سالدويت عيكيامراد ي؟ ۷۱٪ نوکلئیر فیول کے دوخطرات کمیں۔ ۱x٪ کمیسٹر زکی دواقسام کے نام کمیں۔ iv. فوسل فيو**ر** کي تعريف ڪريں۔ viii. رزسرزكيايس؟ vii. اوهم كا قانون بيان كري-3- درج ذیل میں سے وئی سے چھاجزاء کے فقر جوابات تحریر سیجے۔ 12=6x2 vii. ريد يود يوزكى دوخصوصيات لكعين .. ۱۱۱۰. ریڈ یود بوزی دوسوصیات یں۔
 4- درج ذیل میں سے کوئی سے چھاجڑا ہے مختر جوابات تحریر کیجئے۔
 نے درج ذیل میں سے کوئی سے دوفر ق کھیں۔
 نے ایر زادر ادرعام روشی میں کوئی سے دوفر ق کھیں۔
 نے دوفر لا در کے چنداستعالات کھیں۔
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 الا گامین سے کیا ہے؟ 12=6x2 vii. پاکستان نے ایکی وها که کب اور کہاں کیا؟ مشان بان بان پاور بلاث کہاں واقع ہے اور اس کی پیداواری صلاحیت کیا ہے؟ ix. نېيىل سوڭ كى دوخصوصات تكھيں۔ 24=3x8 حقد دوم نوٹ درج ذیل میں سے کوئی سے تمن سوالات کے جوابات تحریر کریں۔ وت ورون و رون و رون کے معنی والات کے بوبوں کے اور اور کا کا کی بھی تبادلہ پروضاحتی نوٹ کسیں۔ 6. (الف) نوٹیک اور پوٹینٹ کی وضاحت کریں اور اس کے یونٹ کی تعریف کریں۔ (ب) کسپسٹر زکی اقسام کیا ہیں؟ ایجے استعمالات کسیں۔ 7. (الف) رید یوویوز کیا ہوتی ہیں؟ ریڈیوک نشریات ہم تک کسے پنچتی ہیں؟ (ب) سٹیلائیٹ ٹی وی کی مختم اوضاحت کسیجے۔ (ب) راڈار پرنوٹ کھیں۔ (ب) سارکوئے نبادی مقاصد تحریر سیجئے۔ 8. (الف) ملك كارتى من سائنس اوريكنالوجي كالكرداديان كرير-9. (الف) مصنوع سيلائش كي جارفوائد تحرير ليجيع - ر General Science (Essay Type) Group-(For all sessions) Time: 2:10 Hours Section -I **Total Marks: 60** 2- Write short answers of any six parts from the following. 2x6=12 i. What is meant by solid waste? ii. What is thermal power? iii. Write two methods for the conservation of energy. iv. Define fossil fuels. v. Define nuclear fission. vi. Write two nuclear fuel hazards. vii. Describe Ohm's law. viii. What are resistors? ix. Write the names as two types of capacitors. 3- Write short answers of any six parts from the following. 2x6=12 ii. Define alternation current (A.C). i. Define step down transformer. iii. How many wires are included in a parallel circuit? Write their names. iv. Define P-Type semi-conductor. v. What is a rectifier. vi. Define photodiode. vii. Write two properties of radiowaves. viii. Define microprocessor. ix. Write the names of few printers. 4- Write short answers of any six parts from the following. 2x6=12 i. Write any two differences between laser and common light. ii. Write the use of laser in ophthalmology. iii. What is meant by Holography. iv. Write some uses of finished leather. v. Write the names of four departments of garments manufacturing vi. How is steel prepared? vii. When and where Pakistan made atomic explosion? viii. Where is Chashma nuclear power plant situated and what is its production capacity? ix. Write two characteristics of Space Suit.

### Note: Answer any three questions from the following.

- 5.(a) Explain kinetic and potential energy with examples
  - (b) Write an explanatory note on interconversion of energy.
- 6.(a) Explain potential difference and define its unit. (b) What are the types of capacitors? Write their uses.

Section -II

8x3 = 24

- 7.(a) What are radiowaves? How radio transmissions reach us? (b) Explain briefly the satellite T.V.
- 8.(a) Describe the role of "Science and Technology" in the progress of a country. (b) Write a note on Radar. 9.(a) Write down four advantages of artificial satellites. (b) Write down the basic objectives of SUPARCO.

15. The equation according to Ohm's law is:

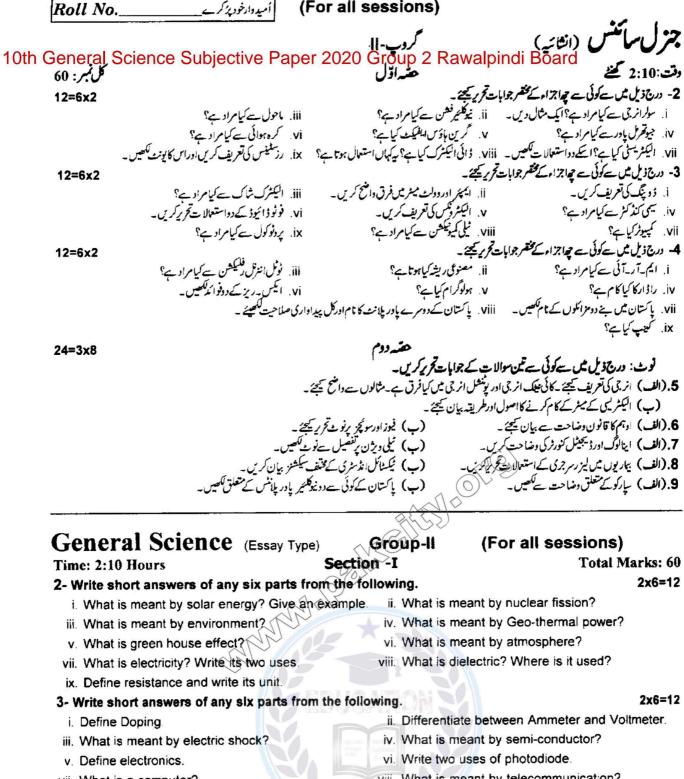
(B) I=VR

(A) R=VI

(C) R=V

(D) V=IR

15. اوہم كے قانون كے مطابق مساوات ہے:



2x6=12

vii. What is a computer?

ix. What is meant by protocol?

i. What is meant by M.R.I?

viii. What is meant by telecommunication?

iv. What is the function of RADAR? vi. Write two advantages of x-rays.

#### 4- Write short answers of any six parts from the following.

ii. What is artificial fibre?

iii. What is meant by total internal reflection?

v. What is Hologram?

vii. Write the names of two missiles made in Pakistan.

viii. Write the name of Pakistan's second nuclear power plant and its total production capacity.

ix. What is KANUPP?

#### Section -II

8x3 = 24

#### Note: Answer any three questions from the following.

- (a) Define energy. What is difference between kinetic energy and potential energy. Explain with examples.
  - (b) Describe the principle and method of electricity meter.
- 6. (a) State and explain Ohm's law.
- (b) Write notes on fuse and switches.
- (a) Explain analogue and digital converters.
- (b) Write a detailed note on Television.
- 9. (a) Write about SUPARCO in detail.
- 8. (a) Write the uses of laser surgery in diseases. (b) Describe different sections of textile industry.
  - (b) Explain about any two nuclear power plants of Pakistan.

40-10-A--18500

٠,	<del>ተ</del>	10th Gener	al Scienc	ce Objective d	Paper)	<u>2019</u> Gro	up 1 Ra	awalp	oindi E	Board			
	oll No	, 50	أميدوارخو	(For all	sess	ions)	P	aper	Code	7	0	9	7
110	110		*****	Grou			<u> </u>						
				Giou	h-1-4	***					مره		
G	eneral	Science	<b>e</b> (Object	ive Type)					روضی)	) (مع	السر	لسر	"
Mai	rks: 15			Time: 20	Minut	ت:20منك es	وف	1					تمبر:5
	نمبر نمبر	ب،جواني كاني راس سوال	. کوآپ درست مجھے	۱۱۱۱۴. 20 ۵دیئے گئے ہیں،جس جواب	C,B,اور	کے چارمکنہ جوابا <sub>ی</sub> ت A,	لمعيئ برسوال	الي كا لي يرك	ئ معروضی جو 	وابات دی گ <sup>ا</sup>	ت کے ج	تمام سوالا س	لوث:
				-L	یا ہے جمرد کر	ے کو مار کریا تھیں کی سیا بح	معلقه دائر	ول بيل بـ	, טבנות	L C,D	A 37.6		1
TOP	E: Write a	nswers to the q	uestions or	objective answ	er shee	et provided. F	our poss	C or C	aiven	in front	ofes	ach	11
ques	tion are giv	en.Which answ	er you con	sider correct, fill	the con	responding c	iicie A,D,	COIL	givein		. 0. 00		
				swer sheet provi	u <del>e</del> u.				ز ہوتی ہیں:	اليكثران كن	بژن میں	کلرٹیلی و	.1.1
1.1.		of electron guns	and the same of th	elevision are.	(C)	À		(D)	^				
_	(A) 2		(B) 3	al signal by:	(0)	•		رت) اے:	6 <i>ں تبدیل کر</i> :	بيثل عتنل م	تكنل كوذي	اليكثرك	.2
2.		gnal is converte			(C)	Modem /	موۋ	(D)	Scann	ين er			
•		oard by some	2 2			Miccoin	۔ انے والی	-دگاردا	E & 5	كملئرالكش	ام کر ز	كمپيوثركو	.3
3.			puler for so	me task by elect				. •	• /	:	ہلائی ہیں	بدايات	
	method ar		(B) Soft	مون ويرُ vare	(C)	Signals 2	تكنا	(D)	Pulse	پلس			
		ہارڈویز ware	( <b>b</b> ) 3011	vale /_/	(0)	Olginalo		1-7		ے:	ى كاتعلق.	د پنظیسر ک	.4
4.		s related to:	(R) Kidn	eys گردوں ہے	(C)	علدے Skin		(D)	Teeth	، ذن سے	وانت		
_		آتھوں سے sha partialas is		eys Com	(0)		(18)	<b>,</b> - <b>,</b>		وتا ہے:	زكاماس	الفايافيكل	.5
<b>5</b> .		lpha particles is ن	(B) 02		(C)	04	) 🗸	(D)	05				
_	(A) Zero		(B) UZ		(0)	200		<b>(-</b> )	:	بژاذ ربعہ۔	حسول کا:	چینی سے	.6
6.		ce of sugar is:	/D) Suga	rcane گنا	ICT	Sugar beet	يقندر	(D)	Mango	-			
_	(A) Maize				S	Cagai Sost			ينو يڻ ريڪارو		ودل کی ا <sup>ک</sup>	نميثج	.7
7.		ecords the elec	(B) MRI	ا العقال العالم الع العالم العالم العال	C	Ultrasound			ECG				
_		ای-ای-بی محمد حصنصد محمد		1. 1/		:2	ری صلاحیت <u>۔</u>					ياكستان	.8
8.			icity of Pak	istan's second n	ucicai	1		270	,			7	
	power plan	nt is:	(B) 108	150 megawatt	(C)	عواك 300 م	negawatt	(D)	م مكادات	400 me	egawa	att	
•			(D) 200	150 megawatt	(0)			(-)	Secon		نے:	باوركايو	.9
9.	Unit of pov		(B) Joule	PENI	(C)	وولث Volt		(D)	Secon	سيند d	•	- •	
40	(A) Watt		(B) 300k	EDA						سینڈ d ہوتی ہے:	راک میں	هاریخور	.10
10.	Our food o	رتی از بی energy	17		(B)	Electrical er	nerav 3	ريكل از ج	اليك				
	(C) Chom	nical potential e	nergy (2)	كيمكل دنيفل	(D)	Kinetic ener	ازجی ۲۹۷	كالىنطك					
44	One Btu is		neigy 0.5	30-1	(-)		<i>3,</i> •			ناے:	אוגזע	ایک	.11
11.			(B) , le 1	045 Joules	city	عول 1050 جول	ules	(D)	10: جول	55 Joul	20		
40				harges is called:			:2	ئے ئے کہلاتی _	۱۵۰ بول اؤمیںرکاور دورور	ارجز کے بم	کٹر میں جا	حسى كنذ	.12
12.		ric current رنث		narges is called.	(B)	Potential dif	ference	وزنيس	رمينشل ذ		, /		
		tance رزستنس	<b>U</b> / <b>.</b>			Power Je		,	•				
40	5 B	ansformer is use	nd in:		(5)	, 0110.			ہوتاہے:	دمراستعال	برانيفا	سنيبار	.13
					(B)	ئی-وی T.V			•		•	•	
		ecorder بريکارور مال				Computer	كميبوز						
	(C) Radio	that detects the	nresence	of current is:	(-)		•	:	نے والا آلہ۔	با كاينة لكا _	ل موجود گ	کرنٹ ک	.14
14.		nometer وانومير		or carrein io.	(B)	Volt meter	وولث مينر	7		*	- •		
	(C) Amme		•			Electric met		اليكثرك					
15		d Germanium a	re.		(-)					ئ <i>ن</i> :	ورجرتيم	سليكان	.15
15.		uctors کنڈ کٹرز	· · ·		(B)	Insulators	انسوليترز				,		
					(D)	Semi-condu	ictors 3	يى كندكن	:				
	(C) Resist	1015		Am 14.4						•			
				3P-10-10-6	S MSH	for more of	data at:	WWW	ı.pako	ity.or	g		

أميد وارخوري كر \_\_\_\_\_ اميد وارخوري كر \_\_\_\_\_

Write its uses.

(b) Write four uses of ultrasound.

9. (a) Write a note on Pakistan's space programme. (b) Write four benefits of artificial satellites.

(For all sessions) گروپ-Group-I

# General Science (Essay Type)

جزل سأتنس (الثائي)

(ب) الٹراساؤنڈ کے چارفوائد تحریکھیئے۔ 9. (الف) پاکتان کے سپس پردگرام پرنوٹ تکھیں۔ (ب) مصنوعی سٹیلائش کے چارفوائد تحریر کریں۔

Ma	arks: 60	Time: 2:10 Hours	وتت:2:10 كمنظ	نمبر: 60
	Section -I	2x18=36		حتداول 2- درج ذیل می سے کوئی سے چھاجزاء کے مختر جوابات تحریر
2-	Write short answers of any six par	ts from the following.	2x6=12 _ <i>스</i> 축	2- درج ذیل میں سے کئی سے چھا جرام کے محتر جوابات تحریر
i.	What is meant by heat energy?			اً. حرارتی ازجی ہے کیام اد ہے؟
ii.	What is meant by nuclear waste?			ii. نوکیترویت ہے کیامراد ہے؟
iii.	What is meant by solar energy?			iii. سوگرانرجی ہے کیا مراد ہے؟
iv.	Define power.			iv. پادر کی تعریف کریں ۔ من مند میں ت
v.	Define Nuclear Fission.			۷. نیوکلیرففن کی تعریف کریں۔
	What is meant by Gasoline?Write the	name of its substitute.		vi. کیسولین سے کیامراد ہے؟اس کے متبادل کا نام کھیں۔
vii.	What is degradation of environment?			vii. ماحول کی اہتری ہے کیام اد ہے؟
viii.	Write the use of fixed capacitor.			viii. فكسذ كيسر كاستعال تكميس _
	What is Sewage?			ix. سیونځ کیا ہے؟ د منا میں کا سیسر موجوں تر کو
3-	Write short answers of any six par	ts from the following.	2x6=12 _설	3- درج ذیل میں کوئی ہے چھاج اوے مختر جوابات تحریر
	Define E-mail.			i. ای-میل کی تعریف کیجئے۔ از رواع مرد میکندا مرد میں رفیق
	Differentiate between Analogue and digital		200	ii. اینالوگ اورڈ بجیٹل میٹرز میں کیافرق ہے؟
	How domestic circuit wiring is assemb		0/3	iii. محمریلوسرکٹ وائرنگ کیسے ترتیب دی جاتی ہے؟
iv.	Write the names of input devices of co	omputer.	100	iv کمپیوٹر کے ان بٹ آلات کے نام تحریر کیجیئے ۔ ۷۔ الیکٹرونکس کی تعریف کیچیئے ۔
	Define electronics.	-	463	۷. روشی خارج کرنے والے ڈائیوڈ کا کیاا ستعال ہے؟ ۷۱. روشی خارج کرنے والے ڈائیوڈ کا کیاا ستعال ہے؟
Vi.	What is the use of light emitting diode	?		•
	What is the difference between hardw	are and software?		vii. ہارڈ و میز اور سوفٹ و میز میں کیا فرق ہے؟ viii. یو و پنگ کیا ہوتی ہے؟
	What is meant by Doping?	(0)00		۱۱۷. رو ف میا ہوں ہے: ix. ریکن میکیفن سے کیا مراد ہے؟
	What is meant by rectification?		2.6-42 4	۸. درج ذیل می سے کوئی ہے جواجر او کے مخفر جوابات تریر
	Write short answers of any six par	ts from the following.	2x6=12 - خ	نه کیزرکا سرجری میں استعمال کھیں۔ i. گیزرکا سرجری میں استعمال کھیں۔
	Write the use of Laser in surgery.			انہ فائبرآ پکٹس کے دونو اندائعیں۔ ان فائبرآ پکٹس کے دونو اندائعیں۔
	Write two uses of Fiber optics.		3/11	iii. ممهارینه ی ایشز کی د وخصوصیات کلمیس_
	Write two properties of Gamma radiat	ons.	FARI S	iv. الجور كرافى سے كيام راد ہے؟
	What is meant by Angeography?	N EUUGAH	UNE	٧. راؤاركيكام كرتا ي؟
	How does Radar work?			vi. ی ٹی سین کامل س طرح کیاجاتا ہے؟
	How is C.T. Scan processed?	American Mexiconi Asian Devicement Asian Genta		vii. میٹرولوجی کی تعریف کریں۔
	Define Meteorology			viii. ميٹومٹيٺ کيا ہے؟ا کِ استعال کھیں۔
	What is Metostat?Write one use. What do you know about Russian Spa	nce station Mir?	ra	ix. روس كے سيس منتيشن مير كے متعلق آپ كيا جانتے ہيں؟
IX.	Section -I			حته دوم
	: Answer any three questions from		3=24 - 3-2	نوٹ: درج ذیل میں سے کوئی سے تین سوالات کے جواہات
	Answer any three questions from     Write a detailed note on thermal po	the remember		<ol> <li>(الف) تقرل بوليوش رتفصيلى نوئ كسيس_</li> </ol>
	b) Write a note on Nuclear fuel Hazar			(ب) نیوکلیئر نیول ہے لاحق خطرات برنوٹ کھیں۔
	a) Write the precautionary measures		ricity	<ol> <li>(الف) بجلی کے خطرات سے بیخے کی اختیاطی تد ابر کھیں</li> </ol>
	b) Write uses of Fuse and switch.	-9	<del>-</del>	(ب) فيوزاورسونج كااستعال لكسين.
	What is communication systems?	xplain it.		7. (الف) كميونيكفن سنم كياب؟ وضاحت كرير.
	b) Write notes on Flopy and hard disk		-3	(ب) فلا لى ڈسک اور ہارڈ ڈسک برنوٹ تکھیں۔
(	What is meant by radar system an	d how does it work?	؟ اس كے فوائد لكھيئے _	8. (الف) راڈ ارسٹم سے کیامراد ہےاور یہ کیسے کام کرتا ہے
0. (	a) What is ineally by radar system an			

☆	10th General S	cience Objective Pa	aper 2019 Group 2 S.C.(Part-II)-A-2019	Rawalpindi Bo	ard		
Ro	oll No	أميدوارخون) أميدوارخون	ıll sessions)	Paper Code	7 0	9	2
		Gro	up-II- گروپ				
G	eneral Scienc		up it <del>y</del> z	نروضی)	ئنس (س	لسا	جزا
Ma	rks: 15	Time: 2	وقت:20 منك Minutes 0			1	نبر:5
	، جوابی کا پی پراس سوال تمبر	ئے گئے ہیں،جس جواب کوآپ درست مجمیر	ال کے جار مکنہ جوابات C,B,A, اور D د.	گئی معروضی جوانی کا بی پر ککھیئے ہرسوا	ت کے جوابات دگ	تمام سوالا.	نوث:
NO			ائر کے کو مار کریا بین کی سیاجی سے مجردیں۔	یا D کے دائروں میں سے متعلقہ د	C,B, A , Z.	كے مامنے	_
aues	stion are given Which ans	questions on objective ans wer you consider correct, f	ill the corresponding circle	r possible answers A	,B,C & D to	o eacl	h
quès	stion with Marker or pen in	ik on the answer sheet pro	vided.	e A,b,C or D given in	i front or ea	acn	
1.1.	Unit of work is:				يونث ہے:	ورك	.1.1
	(A) Joule جول	(B) Watt	رC) Second کیند	(D) Meter	•		
2.	In which country most of	f the vehicles run with Alco	hol?	ہ تر الکوحل ہے چلتی ہیں؟	مي <i>س گا ژيان زيا</i> د	سس ملك	.2
	چين A) China (A)	امریک (B) America	(C) Brazil אונע	(D) Japan	جايان		
3.	Which Gas acts like Gla	ss of greenhouse?		ك شخص كاطرح كام كرتى ب؟		ء کون ک	.3
	(A) Oxygen آگيجن		یتصین Methane)	•			
	(C) Sulpher dioxide ギ	سلفرڈ ائی آ کسا	(D) Carbondioxide	كاربن ڈائی آ کسائیڈ			
4.	Electric current is flow of	•			کرنٹ بہاؤے:	اليكثرك	.4
	(A) Atoms 6	وارير (B) Charges	(C) Molecules	ري (D) Elements	الميمنس كا ع	,	
5.	Electric supply provided	to our homes is:	455	بلائي مهيا كي جاتى ہے:	گھر وں میںالیکٹرک	جارے	.5
	در (A) 200 volts D.C	200 وول	(B) 200 volts A.C	200 وولث اسے ی			
	(C) 100 volts A.C راعی	100 وولث	(D) 100 volt A.C D.	100 وولٹ اےی ڈی ی	)		
6.	How much Ampere Fuse	is used for power plug?		افيوز استعال كياجا تا ہے؟		اور پلک	6
	(A) ایمیر (10 Ampere	(B) / 6 Ampere	(C) / 13 Ampere		V	*>>>	.0
7.	Source of current in P-ty	pe semiconductor is:	* * -	ر دی سازر م کرنٹ کا ڈریعہ ہے:		ep.1	7
	(A) Proton پروٹان	(B) Neutron يُورُان	(C) Electron الكثرون			, LQ	.,-
8.	The process of changing	AC into DC is called:	1 3 M	ر نے کاعمل کہلاتا ہے: رکے کاعمل کہلاتا ہے:		(6.1	Ω
	(A) Rectification فيكيفن		(B) Amplification	ى رك ما حاجه الماميكيين ايما ويكيفن	, y U U U 19 (	ا اےر	.0
	کشن (C) Multiplication)	لمن لج		موۋى قىيىش			
9.	First time human voice w	vas transmitted in:	President Reputoria		رانسانی آوازنشرگ	سل	^
	(A) 🔑 1905 AD	(B) た 1906 AD	(C) た 1907 AD	ں. 1908 ءیں ( <b>D</b> )		,	.9
10.	The inverter of telecomm	unication is:	akcity.org		کاہ ویکفن کاموجدہے	ر نا ۲	40
	ايدين A) Edison ايدين	(B) Ohm	ارکونی (C) Marconi	(D) Faraday		-O	10
11.	Total internal reflection ha		(s) marcon Om	Paraday (0) المعالمة	برادے .نا فلیکھ میں		
	(A) 80°	(B) 90°	(C) 100°	ين اک ترک ان 180° (D) 180°	انترک را مستن کی ا	1. نوس	11
12.	Mass of Helium is:		(0) 100	(D) 180		. بہلہ	_
	(A) 1	(B) 2	(C) 3	<b>(D)</b> 4	اکاماس ہے:	1. "	2
13.	Used as standard equipm	• •		4 (D) کینڈرؤ آ لے کے طور پراستعال ہوتا			_
	(A) Alpha Ray Scanner		(B) Beta Ray Scanne		ورث ميلوري س	1. البرا	3
	رکینز C) X-ray Scanner)	· .	(D) Gamm Ray scan				
14.		from Ultrasound areo		,	الدريق	L	
	(A) One 🔟	(B) Two ,,	(C) There	ہے ستی ایم عاصل ہوتے ہیر مار میں Eau	لمور برانتراسا و ند ـ	1. عام	4
15.	Man landed on Moon in:	- ~ ***	(C) Inree ~	چار D) Four چہار	آد ي•ري	. •	
	(A) رشر 1969 A.D	(B) た 1979 A.D	(C) た, 1982 A.D	(D) d 4000	ن چاند پراز ا: م	14. البا	5
				(D) بىلى (D)	A.D		
		Please visit for mid	ਮਿਊ-ਰੇਡੀਰ at: www.pa	akcity.org			

10th General Science Objective Paper 2019 Group 2 Rawalpindi Board

Roll No. أميدوارخورير كري

(For all sessions)

کروپ-Group-II

## General Science (Essay Type)

جزل سأتنس (انثائي)

ولت:2:10 Hours من 2:10 Marks: 60 2x18=36

Section -I

2- درج ذیل عل سے کوئی سے تھا جرام کے تھے جوابات تحریکھے۔ 2x6=12 2- Write short answers of any six parts from the following.

i. What is difference between work and energy?

ii. What are Nuclear fission and Nuclear fusion?

iii. Define the law of conservation of energy.

iv. Define the Biomass.

v. What is meant by B.T.U?

vi. What is degradation of environment?

vii. Define Electric current and write its unit.

viii. What is Ohm's law?Write its mathematical form.

ix. Define resistance and write its unit.

3- Write short answers of any six parts from the following.

Define Analogue meter.

ii. What is induction?

iii. Define voltmeter.

iv. Write the names of four input devices.

v. What is hard disk?

vi. What is meant by word processing?

vii. What is the function of data management?

viii. What is internet?

ix. What is meant by Direct current?

4- Write short answers of any six parts from the following.

Define isotopes.

ii. Differentiate between Alpha radiation and Beta radiation.

iii. Write two uses of C-T Scan.

iv. From where do the satellite get electrical power?

v. How steel is made harder?

vi. What are synthetic fibres?

vii. What is meant by Hubble telescope?

viii. Differentiate between Meteorology and Climatology.

ix. Write two advantages of artificial satellites.

i. ورک اور انرجی میں کیا فرق ہے؟

ال نوكيئرفض اور نوكيئر فيوژن كيام ن

iii. کنزرویشن آف انرجی کے قانون کی تعریف کریں۔

iv. بائيوماس کي تعريف کرس ـ

B.T.U .V هے كيام اوے؟

vi. ماحول کی ایتری ہے کیامراد ہے؟

vii. البکٹرک کرنٹ کی تعریف کریں اوراسکا بونٹ تکھیں۔

viii. ادبم كا قانون كيابي؟ أسكى حساني شكل تكسيس-

ix. رزمنس کی تعریف کریں اور اسکا یونٹ تکھیں۔

3- درج ذیل ش سے کوئی سے جھاج امے محضر جوابات تحریکے۔

ا. اینالوگ میٹر کی تعریف کھیئے۔

ii. المُكثن كياب؟

iii وولت ميثرى تعريف كجيئ

iv. حاران بث آلات كے نام لکھيئے۔

٧. باردوسكياع؟

٧١. ورؤيروسينگ سے كيامرادے؟

vii. ڈیٹامنجنٹ کا کیا کام ہے؟

viii. انٹرنیٹ کیاہ؟

ix. ڈائریکٹ کرنٹ سے کیامرادے!

4- درج ذیل می سے کوئی سے جماع امے محتمر جوابات تحریکھے۔

ii. الفاريدي ايشزاور بيثاريدي ايشزيس فرق بيان كجيئ -

iii. ي- تى عين كے دونوا كەللىمىئے ـ

iv. سیلائیٹس کیلئے الیکٹریکل ماورکہاں سے حاصل کی حاتی ہے؟

٧. سنل مستحق سطرح بدا ك ماتى سے؟

vi. سنتھیک فائبرز کیاہوتے ہیں؟

vii. میل ٹیلی سکوپ سے کیامراد ہے؟

viii. میٹرولو تی اور کائما ٹولو بی میں فرق بیان کھیے۔ ix. مصنوع سٹیائٹ کے دونو اندائسیے۔

Section -II Note: Answer any three questions from the following.

5. (A) Write four steps of conservation of energy.

(B) Write a note on thermal power and nuclear power.

6. (A) What is capacitor? Describe its construction and types.

(B) Write the uses of D.C and A.C current.

7. (A) Explain the central processing unit.

(B) Write a note on Email.

(A) Write a note on leather industry.

(B) Write a note on Pharmaceutical industry.

9. (A) Write the contribution of Pakistan Atomic Energy Commission in the field of agriculture and medicine.

(B) Write some advantages of Satellites.

عتددوم نوف: درج ویل عل سے کوئی سے تین موالات کے جوابات تحریر کریں۔

5. (الف) انری کے تحفظ کیلئے جاراقدامات تحریر س

(ب) تحرل يادرادر نوكليئر يادر يرنو ك كليس \_

6. (الف) كيسوكيابوتا ي؟ الكي ساخت اوراقسام بيان كرس

(ب) الای اوراے - ی کرنٹ کے استعالات تح رکھیئے ۔

7. (الف) سنٹرل پروسینگ یونٹ کی وضاحت کریں۔

(ب) ای میل برنوت تعیں۔

8. (الف) ليدراندسرى يرنوت كلمين \_

(ب) فارماسيونكل اندسري برنوت تكعيس

9. (الف) پاکتان اٹا کماز جی کیشن کی زراعت اور میڈین کے شعبے میں خدیات بیان کریں۔

(ب) سیلائش کے چندنوائد کھیے۔

1.1. The mass of Beta radiations is: (A) 0 (B) 1 (C) 2 (D) 3 (D) 3 (D) 4 (D) 5 (D) 5 (D) 10 (D) 1 (D	公	10th General	al Science C	)bjective Pane		Rawalnindi I	Roard	_
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איני איני איני איני איני איני איני איני	Mai	rks: 15						
NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.  1.1. The mass of Beta radiations is:  (A) 0 (B) 1 (C) 2 (D) 3  2. The example of Semi-conductor is:  (A) Arsenic		میں،جوابی کا پی پراس سوال نمبر	ں جواب کوآپ درست سمجھ	C,B, اور D دیے مگئے ہیں،جم	ہرسوال کے جار مکنہ جوابات A,A	ئ معروضی جوالی کا پی پرلکھیئے معروضی جوالی کا پی پرلکھیئے	ف: تمام سوالات کے جوابات دی	لور
question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.  1.1. The mass of Beta radiations is:  (A) 0 (B) 1 (C) 2 (D) 3  2. The example of Semi-conductor is:  (A) Arsenic المحافظة المح	NOT	Tr. Maite engineer to the si	rastiana an ahir					
question with Marker or pen ink on the answer sheet provided.  1.1. The mass of Beta radiations is:  (A) 0 (B) 1 (C) 2 (D) 3  2. The example of Semi-conductor is:  (A) Arsenic المرابع المرا	ques	tion are given. Which answers	er you consider	correct, fill the cor	responding circle A	,B,C or D given	in front of each	
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(A) 0 (B) 1 (C) 2 (D) 3  2. The example of Semi-conductor is:  (A) Arsenic المراح الم							1 حدار فری الشنز کا اس مرز	1 4
2. The example of Semi-conductor is:  (A) Arsenic المريح	1.1.			(C)	. 2	(D) 3	۱. بیاریدن۱۰ مرفانا ن ہے۔	
(A) Arsenic الحياس (B) Carbon المرابع (C) Sodium المرابع (D) Silicon المرابع المرابع (D) Silicon المرابع المرابع (D) Silicon المرابع المرابع المرابع (D) Silicon المرابع المرابع المرابع (D) Islamabad المرابع المرابع المرابع (D) Islamabad المرابع المرابع المرابع (D) Islamabad المرابع المرابع (D) Islamabad المرابع المرابع (D) Islamabad (D	•	* *		(C)	2	(0) 3	2 سيمي کن کنو کي ميشال سر	,
3. Where is the headquarter of SUPARCO located?  (A) Lahore المعلى المع	2.			(C)	Sodium Atu	(D) Silicon	•	•
(C) Hyderabad المعالمة المعال	•				Socialii 1-39		- TO	3
4. Energy due to movement of molecules of a body is.  (A) Light energy المراقب المراق	3.				Hyderahad งโป๊	-		•
(A) Light energy رَبُرُ الرَّبِينِ اللَّهِ الللَّهِ اللَّهِ الللَّهِ اللللِي اللللِّهِ اللللِهِ الللللِهِ الللللِهِ الللللِهِ الللللِهِ الللَّهِ الللللِهِ الللللِهِ الللللِهِ الللللللللل	4	• •		•	Tryderabad 545			1
(C) Nuclear energy (المعلق المعلق ال	4.				Heat energy 45	-		
5. 1 BTU=Jouls (A) 955 (B) 1055 (C) 1155 (D) 1255 6. Water is stored in: (A) Well روی کی در این کی کی در این کی کی در این کی در این کی کی کی در این کی کی کی در این کی		, , , , , , , , , , , , , , , , , , , ,	-		0, 0			
(A) 955 (B) 1055 (C) 1155 (D) 1255  6. Water is stored in:  (A) Well را المراح	5		,	•			ا۔ ایک BTU کتے جول کے بر	5
6. Water is stored in:  (A) Well را المركب (B) turbine را المركب (C) canals را المركب (D) Dam را المركب (E) (D) Dam را المركب (D) ا	0.		(B) 1055	(C)	1155	•		
(A) Well را المعالمة	6.	***		110	3/100		). یانی سٹور کیاجا تاہے:	6
7. Mathematical formula of electric current is:  (A) $I = \frac{R}{l}$ (B) $I = \frac{Q}{l}$ (C) $I = \frac{w}{l}$ (D) $I = \frac{P}{l}$ 8. The relation between V and I was established in: (A) 1825 (B) 1824 (C) 1826 (D) 1830  9. Who discovered Ohm's law? (A) George Simon المرتب المورد الم	٠.		(B) turbine	(C) ربائن يس	نېرول ميں canals	(D) Dam	و يم يس	
(C) $I = \frac{w}{t}$ (D) $I = \frac{P}{t}$ 8. The relation between V and I was established in:  (A) 1825 (B) 1824 (C) 1826 (D) 1830  9. Who discovered Ohm's law?  (A) George Simon المرزو المنافل	7.	•		s: (0)		لا ہے:		7
8. The relation between V and I was established in:  (A) 1825 (B) 1824 (C) 1826 (D) 1830  9. Who discovered Ohm's law?  (A) George Simon الجروني الموري الم			$Q \sim$	MOU	$I = \frac{w}{}$	$I = \frac{P}{I}$		
(A) 1825 (B) 1824 (C) 1826 (D) 1830  9. Who discovered Ohm's law?  (A) George Simon المروني ا		(A) $I = \frac{1}{t}$	(B) 1-	(c)	100			
9. Who discovered Ohm's law?  (A) George Simon الجارون المن المن الله الله الله الله الله الله الله الل	8.	The relation between V ar	nd I was establi		30/		ا. بولیکشل و فرنس اور کرنٹ کے	8
(A) George Simon الميروني الكياب (B) Pasteure الميروني (C) Al-Bairuni الميروني (الله الله الله الله الله الله الله الل		(A) 1825	(B) 1824	(C)	1826			_
(C) Al-Bairuni الحيروني الله الله الله الله الله الله الله الل	9.	·		EBUGAI		ت.لي؟	؟. اوہم کا قالون سے دریافتہ	9
10. A person who writes computer programme is called:  (A) Painter بینر (B) Writer اکر (C) Programmer بروگرام کلفیفرد التی (D) Carpenter بینر (D) Carpenter کارپینر مین تصاویر بنانا کہلاتا ہے۔  11. Drawing pictures in computer is called بروگرام کلفیفر میں تصاویر بنانا کہلاتا ہے۔  (A) Word processing ورڈ پروسینگ (B) Data management بروگرام کلفیفر میں تصاویر بنانا کہلاتا ہے۔  (B) Data management بروگرام کلفیفر کی کہوٹر میں تصاویر بنانا کہلاتا ہے۔  (C) Excel ایک اللہ کی کہوٹر میں تصاویر بنانا کہلاتا ہے۔  (D) Graphics کر اللہ کی کہوٹر میں کہوٹر کے کہوٹر کہوٹر کہوٹر کہوٹر کہوٹر کہوٹر کہوٹر کہوٹر کیا کہوٹر کو کہوٹر کو کہوٹر کہوٹر کہوٹر کہوٹر کہوٹر کے کہوٹر کو کہوٹر کہوٹر کے کہوٹر کہوٹر کے کوئر کے کہوٹر کے کہوٹر کے ک			جارج-	Carlotte and the state of the s				
(A) Painter پنینر (B) Writer الله (C) Programmer پروگرام (D) Carpenter پنینر علی تصاویرینانا کہلاتا ہے:  11. Drawing pictures in computer is called الله (A) Word processing در الله (B) Data management در الله الله الله (C) Excel الکیسال (D) Graphics در الله (D) Graphics در الله (D) Graphics در الله (D) Five الله الله (D) Five الله الله الله (D) Five در الله الله الله الله الله الله الله الل					Bu Ali Sina שייטי		م كرين عن الكون المخفر	10
11. Drawing pictures in computer is called  (A) Word processing ورڈ پروسینگ (B) Data management  (C) Excel ایکسل (D) Graphics ویٹا میٹجنٹ (D) Graphics ویٹا میٹجنٹ (D) Graphics ویٹا میٹجنٹ (D) Five ویٹر میں ایکسل (D) Five ویٹر میں ایکسل (D) Five ویٹر میں ایکسل (کی صفحہ ہے:  (A) Two وہ میٹ کو اس میٹ کو اس میٹ کو اس میٹ کو اس میٹ (D) ROM ویٹر میں ایکسل کو اس میٹ کو	10.				050	- 1	, ,	10
(A) Word processing ورؤړ وسينگ (B) Data management (ايکسل وروړ وسينگ (C) Excel (ايکسل (D) Graphics (D) Graphics (D) Graphics (D) Five (D) Five (E) (D) Five (E) (D) Five (E) (D) Five (E)				(0)	Programmer	)) (D) Carper	المورد المرادد	11
(C) Excel اللياس (D) Graphics اللياس (اللياس	11.			(5)	Data managaman	ہے. برمینجی یا	١٠ پيورين ڪاورين اڄوا اور	1-1
12. Hardware has parts:  (A) Two و و المرادة و الم			ورد پروسیت	(B)	Crashins S	ريا چرف اا		
(A) Two و الله الله الله الله الله الله الله ال		•		(6)	Graphics 00		1 ارزیع کے حصیم	12
13. The central part of C.P.U is: : : : : : : : : : : : : : : : : : :	12.		(B) Three	ž (Č)	Four de	-		-
روم ROM (C) CU کٹرول یونٹ (D) ROM ریم (B) RAM (عربیک لا جک یونٹ (D) ROM میٹل طور کر ہے کہ استان میں کہ ہے ۔ آ	40	` '		(0)	rour 🥦			13
مرم المتغل معرب بري تربي التربي الترب	13.	-		(C)	کنٹرول پونٹ CU	•	•	
14 Citilialy Steel Contains Carbon apro-	14			, (0)	200		A	14
(A) 1.4 % (B) 1.5 % (C) 1.6 % (D) 1.7 %	174.	•		(C)	1.6 %	•		
15. Image produced by ultrasound is: (ح) الثراساؤند المجاميح عاصل بوتا ب	15			(3)		A	<ol> <li>الٹراساؤنڈےائیج حاصل ہو</li> </ol>	15
روست (C) 4 D وارسمت (D) 7 D سست (B) 3 D سست (C) 4 D وسمت (D) 7 D	15.	100-100		(C)	طار متى 4 D			
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Please visit for more data at: www.pakcity.org

S.S.C - (Part-II) -A-2018 (For all sessions) جز ل سائنس (انثائی) General Science (Essay Type) گروپ-Group-I رنت:2:10 Hours محظ 2:10 10th General Science Subjective Paper 2018 Group 1 Rawalpindi Board 2x18=36 2- ورن ذيل ش كوكى يهاجراه كففرجوابات ويكي 2- Write short answers of any six parts from the following. i. ورک کی تعریف کریں۔ ii. يوليعل الرجى كى تعريف كريرiii. انرجی کنزرویشن کا قانون بیان کریں۔ iii. Describe the law of conservation of energy. iv. سيوت كياموتى ي؟ ۷. یادر کی تعریف کریں۔ vi. ماحول کی تعریف کریں۔ vii. رزسرزی تعریف کریں۔ iii). ذائی الیکٹرک سے کیامراد ہے؟ ix. كرنث كى تعريف كرس\_ 3- درج ذیل میں سے کی سے چھاج او کے مختر جوابات فری کھے۔ 3- Write short answers of any six parts from the following. i DC رندی تعریف کریں۔ ii. الكثرك شاك سے كيامراد ب؟ iii. مختف آلات عائش کے نام کھیں۔ iii. Write the names of different measuring instruments. iv. سی کنڈکٹر سے کیامراد ہے؟ ۷. ڈوینگ کی تعریف کریں۔ vi. موورتك سيفلا ئينس كمام ربي؟ vii. ان بكآلات كيامراد ي؟ ايك مثال دير-

v. Define Doping. vi. What are hovering satellites? vii. What is meant by input Devices? Give an example.

أميدوارخوديركرك

Section -I

viii. Write difference between RAM and ROM.

ix. Write the names of types of computer printer.

4- Write short answers of any six parts from the following.

i. Write the use of isotopes in industries. ii. What is meant by X-rays?

iii. What are ultrasonic sounds?

iv. Write two uses of ultrasound in medical.

v. Define E.E.G.

Roll No.\_

Marks: 60

i. Define work.

iv. What is sewage?

vi. Define environment.

i. Define DC current.

viii. What is meant by dielectric?

ii. What is meant by electric shock?

iv. What is meant by semiconductor?

vii. Define Resistors.

ix. Define current.

v. Define power.

ii. Define potential energy.

vi. For what words MRI stands.

vii. What function has been taken from metostate satellite?

viii. Write down two basic purposes of Suparco.

ix. When and where Pakistan carried out its nuclear explosions?

**Section -II** 

Note: Answer any three questions from the following. 8x3=24

5. (a) Write a note on demand of energy.

(b) Describe four Hazards of Nuclear fuel.

6. (a) What is the function of Fuse and switches in electric circuit?Explain.

(b) Write types and uses of capacitors in detail.

7. (a) What are P-type and N-type semiconductors and how are they prepared?

(b) Write an explanatory note on telephone.

8. (a) Describe the stages of sugar processing in detail.

(b) What is Radar system? How does it work? Describe its uses.

9. (a) Write the services of Pakistan Atomic Energy Commission for the achievement of nuclear energy for peaceful purposes.

(b) Write the role of SUPARCO in space programme of Pakistan.

viii. ريم (RAM) اورروم (ROM) يس فرق تكوير ـ ix. کمپیوٹر پرنٹر کی اقسام کے نام لکھیں۔

4- درن ذیل می سے والی سے جاج اوے مختر جوابات ور کھے۔ i. اندُسر يزيس آئونو بس كاستعال تحريجي -

ii. ایکس رزے کیامرادے؟

iii. الثراسوتك وازس كيابس؟

iv. میڈیکل میں الٹراساؤنڈ کے دواستعالات تح برکھیئے۔

٧. اي-اي-جي كي تعريف لجيئے-

٧١. ايم آرآئي كن الفاظ كامخفف ع؟

vii. میٹوشیٹ سیفلائٹ ہے کیا کام لیا گیا ہے؟

viii. سارکو کے دو بنیادی مقاصد تح رہیجئے۔

ix. باکتان نے ایمی دھا کے کب اور کہاں کیتے؟

صتهدوم

نوث: درج ذمل میں سے وئی سے تین موالات کے جوابات تحریر کریں۔

5. (الف) ازجي كي طلب يرنو ثانسي \_ (ب) نوكليئر فيول سےلاحق جارخطرات بيان كريں۔

6. (الف) الكثرك مركث من فوزاورسو كحركاكياكام ي؟ وضاحت كرير\_

(ب) کمیسر کی اقسام اوراستعال تفصیل سے بیان کریں۔

7. (الف) لي تائي اوراين تائي يى كند كرزكيا موت ين اور بہ کیے تیار کیے جاتے ہیں؟

(ب) مُلْمَافِوْن بِرايك وضاحَى نوكُ لِمِ

8. (الف) شوكر يروسينك يمراعل تفعيل عيان كري-

(ب) راۋارسٹم سے کیامراد ہے؟ یہ کیے کام کرتا ہے؟

9. (الف) يُوكيرُ ارجي تح برامن صول كيك باكتان الاكمارجي كيش (ب) پاکتان کے پیس پروگرام میں سیارکوکا کردار کھیں۔

38-010-A----