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☆		S.S.C-(Part-II)-A-2023 or all sessions)	Paper Code 7	0 9 i
Roll No		روپ-۱-پا		
•		•	**	جزلسائنس
General Scie	ence (Objective T	ype) Rwp-9121	(معروضی)	بنر اسمال
	۔ یئے گئے ہیں،جس جواب کوآپ درست ای ۔۔۔۔ کار یہ	و فت: 20 منٹ Minutes ال کے چار مکنہ جوابات C,B,A اور D د ں میں سے متعلقہ دائرے کو مار کریا پین کی سیا معلقہ معلقہ دائرے کو مار کریا پین کی سیا	19 7 19 C C D C C C C C C C C C C C C C C C C	نوٹ: تمام سوالات کے جوابا جوابی کا پی پراس سوال نمبر کے۔
NOTE: Write answers to each question are given. of each question with Ma	Which answer you con	sider correct, illi the corre	sponding on order 1,272	
1. 1. One miliampere is a (A) 10 ⁻³ A	equal to: (B) 10 ⁻⁶ A	(C) 10 ⁻⁹ A	ہے: 10 ⁻¹² A وٹ کہلاتی ہے:	1.1. ایک ملی ایمییر برابر۔ 2. حیارج کے بہاؤمیس رکا
	کریوین B Gravity) وسکا	(C) Resistance	ک Shunt (D) درسٹنس	شدیه 3. حیارج کا پونٹ ہے:
3. The unit of charge in the charge	واٹ (B) Watt کولو۔	جول (C) Joule nd neutral wire is: عول م	(D) Ampere ميانوولٹ کا پوڻينشل و فرينس	اليمييئر
(A) 210 V 5. Battery provides us	(B) 220 V	(C) 230 V	(D) 240 V تن ہے:	5. بیٹری ہمیں از جی مہیا کر
(A) Heat energy (C) Nuclear energy	حرارتی از جی نیوکلیئر از جی gy	(B) Sound energy (D) Electrical ene	اليكثريكل انرجي rgy	 ياوركا كونسا ذريع يروائيتي أ
6. Which source of po (A) Thermal	ower is not traditional on بائیڈرو (B) Hydro)	ne? (C) Nuclear کیئر	(D) Solar	ن چوره نوساور تعیرو، سی سر 7. ایک کلوداث برابر ہے:
 One kilo-watt is equ (A) 10W 	(B) 100W	(C) 1000W	(D) 10000W	8. يى ٹائپ سيمى كنڈ كر زمير
(A) Electrons is	of current in p-type sem בַּלֵילֵי (B) Protons בַּלֵילֵי tron guns in colour tele	(C) Holes	(D) Positrons) بن گنز کی تعداد ہوتی ہیں:	پوزیٹرونز 9 کلرٹیلی ویژن میں الیکٹرو
(A) Two 92	للن (B) Three	فِار Four (C)	(D) Five &	پا 10. ييانيك آۇٹ پٹ آلەب
	ice: ماؤک (B) M ouse کلیر is not found in sugar c	(C) C.D ک-ځی ane?	(D) Monitor بېتى؟	مونیر 11. کونی چیز گئے میں نہیں یا کی
رکز (A) Glucose کوکن 12. Which is not a nat	پاِلی B) Water) گلک	فا بَبر (C) Fibre	(D) Chlorine	کلورین 12. کونسافدرتی ریشهٔ بیں ہے
كائن Cotton (A)	(B) Jute چيوک adioactivity was discove	لک (C) Silk ered in:	ن Nylon (D) (D) ت ہوا:	13 رية يوا يكشو ئ كاتمل من او
(A) 1895 14. The man landed	(B) 1896	(C) 1897	(D) 1898	14. انسان نے چاند پر قدم رکھا 15. پاکستان کے پہلے مصنوعی س
(A) 1959 15. The name of the	(B) 1969 first artificial satellite of	(C) 1979 FPakistan is:	(D) Dador 1	15. پاکستان کے پہلے مصنوعی سب یں - 1
سكوا SKUA (A)	(B) Sputnik-1 1	بر (C) Rahbar بپنگ-ا	(n) Badal-1	1-74

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Roll No	(For all sess	sions)
	<u> </u>	جنز ل سائنس (انثائ)
كِل نمبر: 60	D. 0	رت:2:10 كمنظ
12=6x2	Rwf-91-22	2- درج ذیل میں سے کوئی سے جھا جزاء کے مختصر جوابات تحریر سیجئے۔
ں کرنٹ کی تعریف کریں ہے	ٹے سے کیامرادے؟ نویشن	ا انرجی کی تعریف کریں اوراش کا پوٹ تکھیں۔
رکے جاراہم حصول کے نام کھیئے۔)تعریف کیجیئے۔ ' vi. ہارڈ دینہ	ان فوسل فیولز کوجلانے سے کوئی مفر گیسیں خارج ہوتی ہیں؟ ۷ الیکٹر انکس گ
کے دو نیوکلیئر پاور پلانٹس کے نام اور مقام کلھیں۔	ام ہوتا ہے؟ ix پاکستان	.vii ماراریڈ یوسیٹ ایک ریسیور ہے۔ یکس طرح کام کرتا ہے؟ iiiv. سونچ کا کیا کا
12=6x2		3- درج ذیل میں ہے کوئی ہے چھاجراء کے محتفر جوابات تحریر سیجئے۔
بول سے لاحق دوخطرات تحریر کیجیئے ۔ - ر		i جيو قربل پاور کي تعريف ڪيھيئے ۔
ک کرنٹ(AC) کے دواستعالات تحریر کیجیئے ۔		iv ای-میل (E-mail) شے دواستعالات کھیئے۔ ۷. فیوز کی تعریف
ں ابتری ہے کیا مراد ہے؟	اہے؟ ، ix ماحول	Vii انفارمیش میکنالوجی کی تعریف کیجیئے ۔ میں میں میں میں کا تعریف کیجیئے ۔
12=6x2	ے کوئی ہے دوفا کدیے تھیں۔ iii. آ کسوٹو	4- درج ذمل میں سے کوئی سے چھا جزاء کے فقر جوابات تحریر کیجئے۔
ے کیا مراد ہے؟ پروبر کیا ہیں؟ ایک مثال دیں۔	ا''ہے کیا مراد ہے؟	
24=3x8	יוש טילעריים - או. יים	.vii ميڻومڻيٺ کيا ہے؟ اسکافعل تحرير کريں۔
24-380		تعصماری نوٹ درج ذیل میں ہے کوئی ہے تین سوالات کے جوایات کر پر کریں۔
ہیں اوراس کا ماحول بر کیا اثریز تاہے؟ 1+3=3	·+3=+0 (پ) تھرمل بولوشن کے کہتے	5. (الف) اِنر بی کی تعریف کیجئے کا کی مینک از بی اور پیٹینشل اِنر بی میں کیا فرق ہے؟ 1
یں رئے کی کوئی می چارا حتیاطی تدامیر بیان کیئے۔04=4x1		
برنے آلات کی وضاحت کریں۔	یں۔ 04 (ب) کمپیوٹر کے حارآؤٹ	
ا د ہے؟ الفاریڈی ایشنز کی دوخصوصات تح پر کیجیئے ۔2+2=04	+3=04 (ب) ريْديور يَكْيُويِيُ عَلَيْهِمُ	8. (الف) الراساؤند كيابي ؟اس كرتين استعالات بيان كري 1
		9. (الف) PINSTECH كيابي؛ ملك كارتي مين اس كاتيا خدمات بين؟ 1
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General Science	Essay Type Gro	up-l (For all sessions)
Time: 2:10 Hours	Section	
2- write short answers of any s	in parts nom the follow	viily. 2x0=12
2- Write short answers of any si. Define energy and write its un		ving. 2x6=12 is meant by short circuit?
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i. Define energy and write its un iii. Define conventional current. v. Define electronics. vii. Our radioset is a receiver. How ix. Write the names and places of any sit. Define Geothermal power. iii. Write two hazards related to not be Define Fuse. viii. Define information technology ix. What is meant by Degradation 4- Write short answers of any sit. Define Isotopes and give an extra wiii. What is meant by crystallization viii. What is meant by crystallization viii. What is Meteostat? Write its full ix. What are space probes? Give Note: Answer any three question 4.(a) Describe different types of case (b) What is Thermal Pollution and 6.(a) Describe any four precaution 7.(a) What are light emitting diode (b) Explain four output devices of 8.(a) What is meant by radio activity 9.(a) What is PINSTECH? What are	it. ii. What iv. What vi. Write vi. Write two nuclear power stations from the follow ii. What vii. Write vii. Write viii. What iv. Write viii. What iv. Write viii. What iv. Defin iv. Defin vi. What iv. Defin viii. What iv. Defin viii. What iv. Defin viii. What iv. Defin viiii. What iv. Defin viiii. What iv. Defin viiiii. What iv. Defin viiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	this meant by short circuit? tharmful gases are emitted by burning of fossil fuel? In names of four main parts of hardware. It is the function of a switch? It is Galvanometer? It wo uses of E-mail. It is Hard Disk? Ing. 2x6=12 It is Hard Disk? Ing. 2x6=12 It is meant by Tannery? It is SKUA?Write their function. -II 8x3=24 Ing. In
i. Define energy and write its un iii. Define conventional current. v. Define electronics. vii. Our radioset is a receiver. How ix. Write the names and places of any sit. Define Geothermal power. iii. Write two hazards related to now Define Fuse. viii. Define information technology ix. What is meant by Degradation 4- Write short answers of any sit. Define Isotopes and give an experimental wiii. What is meant by crystallization viii. What is meant by crystallization viii. What is Meteostat? Write its full ix. What are space probes? Give Note: Answer any three questions. (b) What is Thermal Pollution and 6.(a) Describe different types of case (b) Describe any four precaution 7.(a) What are light emitting diode (b) Explain four output devices of 8.(a) What are Ultrasound? Write the (b) What is meant by radio activities.	it. ii. What iv. What vi. Write vi. Write two nuclear power stations from the follow ii. What vii. Write vii. Write viii. What iv. Write viii. What iv. Write viii. What iv. Defin iv. Defin vi. What iv. Defin viii. What iv. Defin viii. What iv. Defin viii. What iv. Defin viiii. What iv. Defin viiii. What iv. Defin viiiii. What iv. Defin viiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	this meant by short circuit? tharmful gases are emitted by burning of fossil fuel? tharmful gases are emitted by burning of fossil fuel? tharmful gases are emitted by burning of fossil fuel? tharmful gases are emitted by burning of fossil fuel? tharmful gases are emitted by burning of fossil fuel? tharmful gases are emitted by burning of fossil fuel? that function of a switch? 2x6=12 that is Galvanometer? that wo uses of E-mail. that wo uses of alternating current(AC). that is Hard Disk? 2x6=12 2x6=

38-10-A-

(For all sessions)

Paper Code

6

گروپ-۱۱-Group

-			4.00	
General	Science (Objective Type)	RwP-92-22	ل ساملس (معروضی)	7.

Marks: 15

وقت:20 Minutes وقت:20

نوف : تمام سوالات كي جوابات دى گئى معروضى جوائي كالي بركتهيئ برسوال كے چارمكند جوابات C,B,A, اور D ديے گئے بين، جس جواب كوآب درست سجھيں، جوالی کانی براس سوال نمبر کے سامنے جزو C, B، A یا D کے دائروں میں سے متعلقہ دائرے کو مار کریا 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. The inventor of radio system was:

1.1. ريد يوسستم كاموجدتها:

- ارکولی Marconi) مارکولی
- البيروني C) Alberuni البيروني

- (B) Newton
- (D) Jabir-bin-Hayan جابربن حيان

2. The first laser material ever used is:

- (A) Glass crystal گلاس کرشل (B) Silicon المیکان
- (C) Argon
- 2. يبلا استعال ہونے والاليز رميٹريل ہے:

- (D) Rubi crystal 3. موتيائي تريش كيلي استعال مون والاليزرب:
- 3. The laser used for operating cataract is:
 - کریٹان Krypton (A) (B) Neon يُون
- (C) Argon آرگون
- زيان Xenon زيان 4. ای-ای-جی حاصل کرنے کیلئے الیکٹروڈ زلگائے جاتے ہیں:

4. The number of electrodes used to get EEG are:

(D) 20

- (A) 15 (B) 16 5. The SUPARCO was established in:
 - (A) 1961
- (B) 1951
- (C) 1971

(C) 18

(D) 1981

6. Headquarter of SUPARCO is situated at:

- (A) Lahore שואנו (B) Multan
- (C) Karachi رایی

- 7. The unit of energy is:
 - نيوش A) Newton نيوش
- (B) Meter
- (C) Joule جول
- 8. فوسل فيواز جلانے سے حاصل ہوتی ہے:

8. By burning fossil fuels we get:

- - 9. نامياتي ماد اورأن كى باقيات كهلاتي بين:

- 9. Organic matter and its residues are called:
 - سالڈویسٹ Solid waste

(B) Nuclear waste

اليواك Biomass الميواك

- (D) Biogas ايُوليس
- 10. The device which used to store charges is called:

- (A) Switch
- رزسر (B) Resistor (C) Fuse
- 10. عیارج سٹور کرنے والے آلہ کو کہتے ہیں: کپیسٹر (D) Capacitor () 11. ایسا آلہ جوابو میٹر بھی کہلاتا ہے:

- 11. The instrument which is also called avometer:
 - ملٹی میٹر Multimeter (A) وولٹ میٹر C) Voltmeter (c)
- (B) Resistance رزستس
- ان میں سے کوئی ہیں None of these
- 12. The equation according to Ohm's law is:
- (A) R=V
- (B) V=IR
- (C) R=VI
- 12. اوہم کے قانون کیمطابق مساوات ہے:

- 13. The SI unit of resistance is:
 - (A) Ampere

- (D) I=VR

- - المييئر (C) Potential difference

- (B) Resistance رزستنس
- 13. رزشنس کا ایونٹ ہے:

- (D) $Ohm(\Omega)$

14. It is an input device:

(A) Speaker سپیکر

- مونیٹر B) Monitor
- رC) Scanner علينر
- رینٹر (D) Printer پینٹر 15. بائنری سٹم میں "2" کوکھاجا تا ہے:

15. 2(Two) is written in binary system as:

- - (A) 10
- (B) 100
- (C) 1000
- (D) 10000

39-10-A-☆☆☆----

		S.S.C - (Part-II) -A-2022	
Roll No	أميدوارخود پر کرے	(For all sessions)	
		گروپ-۱۱	جز ک سامنس (انٹائی)
. 3 6			
كل نمبر: 60	Rwp-a	صهاقل مددور	وتت:2:10 كلفظ
12=6x2			2- درج ذیل میں سے کوئی سے چھا جزاء کے مختصر جوابات تحریر کیجئے
	iii. ئىلى كمىۋىكىيىشن كى تعرىف كرىپ-	ii. یاحول کی ابتری ہے کیا مراد ہے؟	i. نيوكليئر فيوژن سے كيام راد ہے؟
	vi. شارٹ سرکٹ سے کیامراد ہے؟	٧. كىيىنى كى چارجنگ ئىكىمرادىد؟	iv. سرکٹ کے اجزاء تے نام کھیئے۔
اورمثال كهص _	ix ایلاسٹک پوئینشل از جی کی تعریف کریں	۷. ریکی فیکیشن سے کیامراد ہے؟	vii. رپورس بائیسیڈ ڈائیوڈ کی تعریف کریں۔ ا
12=6x2		779 200 07.0	8- درج ذیل میں سے کوئی سے چھا جزاء کے مختر جوابات تریہ سے کے۔
°	iii کارٹیلی ویژن میں الیکٹیران گنز کا کیا کا	ii. ایک کلوواٹ مقدار کی وضاحت کریں۔	
کے: اگری	الله المرين ويرق بين المعراق عراق عراق على الم		
ن يينے ۔	vi. فلا في دُسك اور ہارڈ دُسک میں فرق بیا	١. ملتي ميشر كس كام آتا ہے؟	E.E.G .iv ے کیام ادبے؟
اجر ر	ix. فکسڈ اور دیری اینل کیپسٹر زمیں کیافر 🗓	۷. ورک اورازجی میں کیا فرق ہے؟	vii الكثرونكس كيائي؟ إسكافتكش لكهيئي. الله
12=6x2		1	4- درج ذمل میں ہے کوئی سے چھاجزاء کے حضر جواہات محربر لیجئے۔
	iii. جیوسٹیشنری مدارے کیا مرادے؟	ii. ای-سی-جی کے دوفا کدیے کھیئے ۔	i. کیزر بنانے کیلئے کوئی اشیاءاستعال کی جاتی ہیں؟
e	vi. سٹیل میں شخق کس طرح پیدا کی جاتی ہے	۷۔ سی-ٹی سکین سے کیامراد ہے؟	
	ix. ہبل ٹیلی سکوپ کے بارے میں آپ کیا	٧. كلاميما ڻولوجي كي تعريف ليجيئے -	iii مصنوعی سیطلا سیف کے دو فائدئے حریر کریں۔
24=3x8		ير حصّه دوم	
		واہات تحریر کریں۔	نوٹ: درج ذیل میں سے کوئی سے تین سوالات کے ج
04=4x1	يى كىھىيں ـ	ن کریں۔ 04 (پ) از جی کے تحفظ رنوبہ	5. (الف) از بی کے تصول کے کوئی سے دوغیر روای طریقہ بیا
04=2+1+1	یں کے کام اوراقسام کی وضاحت کریں۔	(ب) فرانسفارم کیا ہے؟	6. (الف) اوہم کا قانون بیان کریں اور اس کی مساوات ککھیں۔
04=3+1	ن ما سرتين فوارت كريكيين	() 14: 4) n c miss	7. (الف) ريد يوويوز كياموني بين؟ ريد يوكي نشريات بم تك كيي
04=3+1	رسيت سي در الدر رسيت	، چن این ۱ م کس کی مسلسل از کامید سران سرک بد عکس کی تفصیل	۱. رانگ کر در میرود یور می اون بی از در یون کر مروات کم ملک سید 8. (الف) جدید میکنالوجی کی وجہ سے طب کے میدان میں کیا کیا
		هوريات المايان الماييدو يمل عظيمان عد	
04		K. C. C.	(ب) کیدرانڈسٹری کے متعلق آپ کیاجانتے ہیں؟
ت هيں۔2+2=04	روگرام کےمیڈیس اورزراعت میں دودواستعالا	. 04 (ب) پاکستان کے نیوفیسر	9. (الف) پاکتان کا سیس پروگرام کیاہے؟ تفصیل کے کھیں۔
Canara	I Science -	64	I
Genera.	I Science (Essay T	ype) Group-II (For al	i sessions)
Time: 2:10 H	lours	Section -I	Total Marks: 60
2- Write shor	t answers of any six parts	from the following.	2x6=12
i. What is n	neant by nuclear fusion?	ii. What is m	eant by degradation of environment?
	neant by nuclear fusion?		eant by degradation of environment?
iii. Define Te	elecommunication.	iv. Write the	names of component of circuit.
iii. Define Te v. What is n	elecommunication. neant by charging of a capa	iv. Write the citor? vi. What is m	names of component of circuit. eant by short circuit?
iii. Define Te v. What is n vii. Define re	elecommunication. neant by charging of a capa verse biased diode.	iv. Write the scitor? vi. What is m	names of component of circuit.
iii. Define Te v. What is n vii. Define re ix. Define ela	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w	iv. Write the citor? vi. What is multiple viii. What is multiple viiie an example.	names of component of circuit. eant by short circuit? eant by rectification?
iii. Define Te v. What is n vii. Define re ix. Define ela 3- Write shor	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts	iv. Write the scitor? vi. What is morite an example. s from the following.	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12
iii. Define Te v. What is n vii. Define re ix. Define els 3- Write shor i. What is n	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy'	iv. Write the citor? vi. What is m viii. What is m rite an example. s from the following. ? ii. Explain the	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt.
iii. Define Te v. What is n vii. Define re ix. Define ela 3- Write shor i. What is n iii. What is th	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy' ne function of electron guns	iv. Write the citor? vi. What is morite an example. s from the following. ? ii. Explain the intelevision? iv. What is more than the following.	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G?
iii. Define Te v. What is n vii. Define re ix. Define ela 3- Write shor i. What is n iii. What is th v. What is th	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy ne function of electron guns ne use of Multimeter?	iv. Write the citor? vi. What is moviii. What is moviite an example. s from the following. ii. Explain the intelevision? iv. What is movi. Differential	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G? te between Floppy disk and Hard disk?
iii. Define Te v. What is n vii. Define re ix. Define ele 3- Write shor i. What is n iii. What is th v. What is th vii. What is e	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy ne function of electron guns ne use of Multimeter? electronics?Write its function	iv. Write the citor? vi. What is morite an example. s from the following. ii. Explain the in television? vi. Differentiation.	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G?
iii. Define Te v. What is n vii. Define re ix. Define ele 3- Write shor i. What is n iii. What is th v. What is th vii. What is e	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy ne function of electron guns ne use of Multimeter?	iv. Write the citor? vi. What is morite an example. s from the following. ii. Explain the in television? vi. Differentiation.	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G? te between Floppy disk and Hard disk?
iii. Define Te v. What is n vii. Define re ix. Define ela 3- Write shor i. What is n iii. What is th v. What is th vii. What is e ix. What is th	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy ne function of electron guns ne use of Multimeter? electronics?Write its function	iv. Write the citor? vi. What is morite an example. s from the following. ii. Explain the intelevision? vi. Differentiation of the capacitor?	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G? te between Floppy disk and Hard disk?
v. What is no vii. Define revix. Define ela 3- Write short i. What is no viii. What is the v. What is the viii. What is the viiii.	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy' ne function of electron guns ne use of Multimeter? electronics?Write its function ne difference between fixed	iv. Write the citor? vi. What is moviii. What is moviii. What is moviite an example. s from the following. ii. Explain the intelevision? iv. What is movi. Differential viii. Differential and variable capacitor? s from the following.	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G? te between Floppy disk and Hard disk? te between work and energy.
v. What is no vii. Define revix. Define elsa 3- Write short i. What is no viii. What is the v. What is the viii. What is evix. What is the viii. Which obj	elecommunication. neant by charging of a capa verse biased diode. astic potential energy and w rt answers of any six parts neant by demand of energy' ne function of electron guns ne use of Multimeter? electronics?Write its function ne difference between fixed t answers of any six parts ects are used for laser?	iv. Write the citor? vi. What is moviii. What is moviii. What is moviii. What is moviii. Explain the intelevision? ii. Explain the vi. Differentiate viii. Differentiate and variable capacitor? if from the following. ii. Write two	names of component of circuit. eant by short circuit? eant by rectification? 2x6=12 e quantity of One kilowatt. eant by E.E.G? te between Floppy disk and Hard disk? te between work and energy.
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