Q14. Test cross is made to check the genotype of	f a trait. Which of the following
cross?	C. Unknown x AB
8. Unknown x tt	D. Unknown x TT
015. During sliding of actin filaments, ATP is use	ed for?
A. Cross bridge formation	c Dragging Maments
B. Cross bridge breaking	D. Shortening of filaments
Q16. The cell membrane of muscle cell is:	
A. Sarcoplasm	C. Sarcomere
B. Sarcolemma	D. Myofibrils
Q17. Irregular striations and involuntary control	tttated to?
A. Cardiac muscle cells	C. Skeletal muscle cells
B. Fibroelastic cartilage cell	D. Smooth muscle cells
Ole Sadland In a time of which the a	
Q18. Cartilage is a type of which tissue?  A. Connective tissues	C. Muscular tissues
B. Epithelial tissues	D. Nervous tissues
ent to her fall at the entry and sometimes.	
Q19. Production of Follicle-stimulating hormone	(FSH) and Luteinizing Hormone (LH) from the
pituitary gland of female is controlled by: A. Ovary	
B. Uterus	C. Stimulated follicles
D. Ottelus	D. Hypothalamus
Q20. The term menopause means:	
A. Start of menstruation	C. Stop of ova production
B. Start of ovulation	D. Degeneration of ovaries
O21 The labour pains to sweet february due to	
Q21. The labour pains to expel fetus are due to : A. Endometrium	C. Perimetrium
B. Myometrium	D. Ovaries
Q22. In human females, what is the small, pear- gestation takes place?  A. Uterus	-shaped, muscular, distensible, sac-like organ where C. Fallopian tube
B. Kidney	D. Stomach
Q23. The function of hyaluronidase enzyme is:	
<ol> <li>Penetration of the sperm into the ovum</li> </ol>	<ul> <li>Entrance of the sperm into the fallopian</li> </ul>
B. Entrance of the sperm into the vagina	tube
	<ul> <li>Inactivation of sperms after their failure to fertilize ovum</li> </ul>
	al bacterial growth excents
Q24. All the following are disinfectants to contro	C. Mercuric Chloride
A. Tincture of Iodine	D. Hydrogen Peroxide
B. Potassium Permanganate	b. Hydrogen Peroxide
Q25. Which of the following is an example of sp	iral shaped bacteria?
Q25. Which of the following is an example of sp	C. Escherichia coli
A. Diplococcus pneumoniae	D. Pseudomonas
B. Hyphomicrobium	D. 13cddomonds
	hane through
Q26. Bacterial cell have ability to maintain its si	C. Cell wall & slime
A. Cell wall	D. Slime
B. Capsule	
Q27. Helicobacter pylori is an example of:	C. Pleomorphic
A. Cocci	D. Spiral
B. Bacilli	D. Spirat
THE STATE OF THE S	

	B. 2	teria	is:
Q	29. The method of bringing oxygenated air into conta  A. photorespiration  B. ventilation	C	. 3
10.20	A. Photography of bringing oxygenutes	D	. 4
	B. ventilation rectated air into conta	et	
		-L W	th a gas exchange surface is
00		C.	gas transport
63	o. Smooth muscles are for		respiration
	A. Trachea are found in all mention at		
	O. Smooth muscles are found in all mentioned below A. Trachea B. Bronchi	CXC	ept
021	The state of the s	C.	Bronchioles
627	A. lymph node	D.	Alveoli
	A. lymph node		
	B. lymphold organs		
		C.	lymph capillaries
that	Descending aorta is bifurcated into two vessels when A. iliac vein	D.	subclavian vein
that	supply blood to high muscles of legs:	ich e	on further division from femoral a
1	A. Iliac vein muscles of legs:	ilei) (	on fulfile division
્રા	B. Iliac artery		temporal artery
		-	
Q33.	Which of the following is the main point of Darwini		A THOMAS IN CO.
F	Over production is the main point of Darwini	sm?	
E	3. Variation	C.	Disuse of organ
		D.	Perceived unity of me
Q34.	Which of the following type of organs are supposed		
than	in present day species:	to I	be functional in difference
A	· Vestigial organs		
В	Homologous organs	C.	Analogous organs
	organs	D.	Embryonic organs
Q35.	Which of the following is NOT an example of disuse		rgans?
A	. Snake's legs	010	Muscle atrophy
В	. Shedding of milk teeth	0	Movement of ear
11753	and a milk teetil	D.	CONTROL DESCRIPTION OF THE PROPERTY OF THE PRO
Q36.	According to evolutionary studies, prokaryotes may	hav	e arisen around:
A	2.5 billion years ago	C	4.5 billion years ago
В.	3.5 billion years ago	D.	5.5 billion years ago
			TATATAMARAN POLICE (FOR
037.	The enzyme which can work on pH 7 of the medium	is?	
	Pepsin	C.	Chymotrypsin
В.			Pancreatic lipase
٠.			
038 1	Which enzyme is different from others?		
the state of the s	Pepsin	C	Chymotrypsin
	Trypsin		Lactase
ь.	пураш	D.	Lactase
030 0	competitive inhibitors are?		
	Homologous to substrate	-	2 89 89
11.34	TO A DESCRIPTION AND ADMINISTRATION OF STREET AND ADMINISTRATION OF THE PROPERTY OF THE PROPE		Smaller than substrate
В.	Analogous to substrate	D.	Larger than substrate
040 -	he active sites of a		
Q40. T	he active sites of enzymes are composed of?		
	Few Nucleotides	C.	Few Saccharides
В.	Few Nucleosides		Few Amino Acids
			ATTIMO ACIOS
The second secon	AD is an important?		
	Enzyme	-	• • progression and the state of the state o
В.	Coenzyme		Hormone
		D.	Vitamin

A. Acts on kidney tubular		
The state of the s		
Q43. In a typical	C	Perform cellular functions
Q43. In a typical nerve, the action potential duration is:	(D)	me mucts of mammary glands
Odd Pour	Ten o	1 second
Q44. During resting membrane potential condition:  A. Outer surface of neuron is more positive  B. Inner surface of neuron is more positive  Q45. The value of active		1 minute
Q45. The value of path.	C.	Both of these surfaces are equally positive
B. 0.02 Volts	tron is	Both of these surfaces are equally negative
Q46. The chemical	D.	0.05 Volts
Q46. The chemical messengers that transmit action por chemicals are ?  A. Synaptic knob of synapse B. Reflex actions	tentia	across the synapse in the form of
Octoriex actions	C	Heureteness
Q47. The pressure receptors that receive deep pressur  A. Meissner Corpuscies  B. Pacinian Corpuscies  O48. Coll.	D.	Neurotransmitters Acetylcholinesterase
B. Pacinian Corpuscies that receive deep pressur	e stim	tulus in human to
Dan - Corpuscies	C.	Red Blood Corpuscles
Q48. Cells of different tunes	D.	White Blood Corpuscles
Q48. Cells of different types can be distinguished on the A. Phospholipids  B. Globular proteins	ie har	is of surface.
Q49. Mitosis, a type of sall dis	D.	Cholesterol
Q49. Mitosis, a type of cell division is observed in?  B. Nostor		
ustoc	C.	. Blue green algae
Q50. Cell wall of and	D	- Cyanobacteria
Q50. Cell wall of prokaryotic cell is composed of:  A. Carbohydrates		
B. Carbohydrates & Proteins	C	- Proteins
	T.	Pentales P. Cold.
Q51. Which structure of prokaryotic cell will play the		- CACCAMANA ANTONIO ANTO - CACCAMANA ANTONIO A
A. Spores	role	mitochondrion?
B. Cyst	-	C. Nucleoid D. Mesosomes
252. Proteins and linide are made at a second		
Q52. Proteins and lipids are modified into Glycoprote A. Golgi complex	ins &	Glycolipids by which cell organelle?
B. Rough Endoplasmic Reticulum		C. Smooth Endoplasmic Reticulum
AND THE PROPERTY OF THE PROPER		D. Ribosomes & chromosomes
53. Cyclosis and amoeboid movements are due to:	0	
A. Microtubule		C. Microfilaments
B. Cilia		D. Intermediate filaments
	m e-	sitive hacteria is/are:
4. Number of major layer/layers of cell wall in ra	po	C. 3
A. 1		D. 4
B. 2		
5. Most of the monosaccharides form a ring stru	-	when in solution. For example ribose will
5. Most of the monosaccharides form a ring stru	cture	and the second s
n a five cornered ring known as		C. glyceradehyde
A alucanuranase		D. acetaldehyde
A. glucopyranose		D. acctaigenge
B. ribofuranose		t and collulose?
Which statement is true about regarding both	sta	rch and cellulose?  C. They can both be digested by humans.  Destructed for energy storage.
Which statement is true about regarding some		<ul> <li>They can both be digested by the contract of the</li></ul>
They are both polymers of glucose.		
. They are both polytic isomers of each other		niants.
. They are both polymers of glaces.  They are geometric isomers of each other		Page 5
Common Co		1.00

Q57. Which type of bond must be broken for water to	vaport	te?	
A. normalar covalent bonds	D.	hydrogen bonds covalent bonds	A STATE OF THE STA
OSB. The specific heat of vaporization of water plays : produced by A. reduction B. osidation		ounds	
OSB. The specific heat of vaporization of water plays	an impe	retant role in the re	
produced by	C.	redox equiation	
n. osidation	D.	none of above	
Qso, Biologically,	v roles	in maintain.	1
Qs9. Biologically,	X 0.00/29.009092.00	the inter	
A hydrophilic exclusion	C.	heat of vaporization	a The inci
Oso. Energy is	D.	specific heat capacity	H3 CH2 CH
Oso Farray is by the breakdown of cor	nplex n	nolecules into si-	A 12
reactions are called catabolic reactions	*	simpler one.	ь.
A_ released	C.	produced	such 171.Wher
n. consumed	D.	destroyed	A. PI
Q61forms almost three-fourth of the be	ody by	weight	B. P
A. water		carbohydrates	172. Pr
B. protein	D.		A.
1000 100000000000000000000000000000000		WWW.COME	
Q62. The major enzymes involved in transfer of phosp	hate g	roup from ATP to Glucos	B.
5.41 FORDSTANDING	(CS 11	1/6/14/14/14/14/14/14/14/14/14/14/14/14/14/	100
B. Dehydrogenase	D,	Decarboxylase	173
Q63. Out of 36 ATPs, how many are produced in electronic	ron tra	nsport chain?	15
A. 28		32	
В. 30	D.		
TAM STATES	in it	6707)	
Q64. Which is the major event in electron transport ch	nain?		3
A. ATP synthesis	C.	Substitution	
B. Decarboxylation	D.	Isomerisation	
Q65. Which of the following is used in baking?			
A. Aerobic respiration	C	External respiration	
B. Anaerobic respiration	D.	Internal respiration	
	56.17	UDA-HIDSANIAI CE SAN-COSE SA DECISIONALI	
Q66. The provirus of HIV is structurally and chemically	y made	e up of?	
A. SSRN		dsRNA	
B. SSDNA	D.	dsDNA	
007 71		DODGE HANGED POOR	
Q67. The molecules used to control virus during infect	tion of	animal cells are:	
A. Michieron	C.	Antigen	
B. Histone	D.	Serum	
O68 Virus is what to		ACCESS OF THE PROPERTY OF THE	
Q68. Virus is what type of agent?  A. Cellular agent			
B. Infectious agent	C.	Non-infectious agent	
D. Infectious agent	D.	Non-protoin agent	
		Non-protein agent	
CHEMISTI	RY		
Q69.Alkylbenzene in f			
Q69.Alkylbenzene is formed when benzene is treated	with a	n alkul batta. •	

anhy e. Identify the type of reaction. I halide in the presence o

11.	Halogenation	
P.	Erinal I m	

Friedel-Crafts acylation reaction

C. Friedel-Crafts alkylation reactionD. Sulphonation

Q70. The last	Constinue of minimum	compounds (1  CH3 CH2 CH2+ (2) (CH3) 3C+ (3)
CH3 CH2 CH4	Clay are 3	compounds (1   CR3 CR2 CR2+ (2) (CR3) 3C+ (3)
8 3 2 2	* 3	(4, (44, 5), 24, (3)
	0.24	\$ 1×1×1
Q71.When 2-	bromopropane reacts with Sodium att is	0 1.1.2
A. Proces	propiece resents with Sedium and	ricelide the envise and a line
6 Proper	ie:	major product is/are?
		C. Sittly! interropy! ettler C. All are formed
Q72. Propano	ne can be prepared from propyre by	and the harmers
A. Passini	t a must	
Over a	I is mucture of propyre and steem catelyor, magnetium at 620mg	* Griller account
12 Publication	District Property of the Parket	5 Sailing orsayne with water in the presence of rigids and risids.
		<ul> <li>Treating propyrie with lodine and NACH.</li> </ul>
Q73.If carbox	ylic acid and	
as	and ketone groups C=0 are	spresent in a chain then final name will be given
A. 0x0, 0	r seed	
B. one, or	t and	I Born 1 age 2
		C Boom 1 and 2 C Wome of prese
274.Acetic ac	id is weak acid than sulphuric acid	because of which of the following reasons?
A. It deco	imposes on increasing temperature	
B. It has	less degree of ionisation	C. St has -CCC+ group
		D. It has more noutrive effect
75. Mr. Khar	mix acetic acid with thionyl chlor	ide. Which product is obtained?
A. CHaCO	CI + SO <sub>2</sub> + HCI	C. C+cCCCC+s - SCc
B. CHECI	+ CH3COCI	0. C+sO -50:-+C
76.After the	digestion & before absorption th	e product of the protein is:
	Acid and small polypeptide	C. Only small polypectide
B. Only Ar		D. Only ammona
B. Only A	HINO ACIO	5. Ong Eminana
77.Dehydrati	ion of alcohol gives which of the	following product in the presence of H1504 at
		525 SECTOR 1000
A. Acetald	ehvde	C. Emyl stersta
B. Diethyl	ether	D. Ethyl chlonde
	oxidation of alcohol gives whi	ch of the following?
8.Complete	oxidation of alcohol gives will	
A. Aldehyd	le	D. Ketone
B. Alkane		to the effe
		equilibrium will shift with the help or:
	stimate the direction in which	n equilibrium will shift with the help of:  C. Mess's law
9.One can e	acimioto	C. Mess's law
	ier's principle	<ul> <li>D. Law of heat of formation.</li> </ul>
A. Le chait	let a principle	1740
B. Law of	mass action	

mp +

	n. 431KJ/mol	D,	349K3/mol	
	QB1.What are vinyl alcohol and acetaldeh	yde?	Winni	
	QRI.What be	r		NAME OF TAXABLE
	A. Position isomers  B. Chalo isomers	Ď.	Metamers Toutomers	
	282.Oxidation number of free magnesium	In 7		
		C.	12 13	
	A. 0. D. +1		1-3	dentify wh
QI	3.Select the metal which is extracted from		,	toehalnge presente 8. Detrydea
	A. Al B. Ca	C.	Mg	BlaCo #
	B. Ca	13.	Cu	I.The addi
Q84	which of the following has the highest			A. 1-bro
7	A. Alkaline earth metals	c.	Chalcogens	3.Under
1	B. Alkali metals	D.	Halogens	A. 50
	The electronic configurations of some age to group IIIA  152 252 2p3 152 252 2p4			4.A co
Q85.	The electronic configurations of some	elements are give	en below. Recognic	8 1
belor	ngs to group IIIA		-ause the	4. s.w
Α	. 1s2 2s2 2p3	c.	1s2 2s2 2n1	20, 4
B	. 1s2 2s2 2p4	D.	1s2 2s2 2p2	18
	All alkali metals react with chlorine gas			6.7
Q86.A	All alkali metals react with chlorine gas	s to form white n	netal chlorides sale	le
salt fo	ormed is:		and adit. Th	e metal
Α.	Insoluble	c.	Soluble in water to give	- Car
	Soluble in water to give neutral solution	of	water to gi	10 -
La.	ph 7	D.	Soluble in war	a coult so
	PO 8 (30)		Soluble in water to gi ph 14	ve alkaline.
			5 (350)	A.
Q87.W	hich one of them is amphoteric in nat	ure?		
Α.	Lithium oxide	•	C-1.1	
	Beryllium oxide	C.	Calcium oxide	
	are so when the same say	D,	Potassium oxide	
088.W	hich of the following is somet at a			
=26)?	hich of the following is correct electro	onic configuration	on of iron (II) ion (	atomic no
Α.	[Ar] 4s0, 3d6		PANN-INNESS EDITM	
В.	[Ar] 4s2, 3d6	C.	[Ar] 4s2, 3d4	
		D,	[Ar] 4s2, 3d5	
Q89.W	hich of the functional group are prese Aldehyde group			
Δ	Aldele	nt in ethyl acet	ato2	
P.	Aldehyde group	,	ate:	
U.	Carboxyl group	C	Ester group	
000	AL 1875	D.	Ester group	
230.Wh	nat is the molecular formula of pyridir CoHsN CoHoN	0.	Ether group	
A	College Colleg	le mole-		
В. (	CsH <sub>5</sub> N	noiecule?		
	-3112M			
		C.	C5H5NH	
		D.	CeHeN	
			-0.1014	

Q91.Identify which method is used to prepare Alkyno	
	ns7
presence of methanol.	C. Dehalogenation of Vicinal Dihalides in the
B. Dehydration of Alcohols in the presence of AlsOs at 340-450-degree centigrade.	D. Electrolysis of di carboxylic acid salts.
Q92.The addition reaction of 2-butene with HBr prod	
A. 1-bromobutane	uces7
B. 2-bromobutane	C. 1,3-dibromobutane
Q93.Under suitable conditi	D. 2,3-dibromotutane
Q93.Under suitable conditions alkanes cannot under	goreactions?
B. Combustion	C. Hydrogenation
	D. Addition
Q94.A compound of phosphorus oxide has 43.6% of B. P2O3	Oxygen. Its empirical formula is?
B. P2O3	C. P <sub>3</sub> O <sub>2</sub> D. PG <sub>2</sub>
Q95. Which element is used as standard to determine  A. H  B. C	D. PO2
A. H B. C	re atomic mass of an element?
b, C	C. P D. CI
O96.The average	
Q96.The average weight of atoms of an element concalled atomic weight.	npared to the weight of one atom ofis
Carbon	
B. Helium	C. Hydrogen
097 Which of the 4 th	D. Nitrogen
Q97. Which of the following electronic configuration  A. 1s <sup>2</sup> ,2s <sup>2</sup> ,2p <sup>6</sup> ,3s <sup>2</sup> ,3p <sup>6</sup> ,4s <sup>1</sup> ,3d <sup>2</sup>	n is correct for 24Cr?
B. 152,252,2p6,352,3p6,452,3d4	C. 152,252,2p6,352,3p6,3d6
	D. 1s <sup>2</sup> ,2s <sup>2</sup> ,2p <sup>6</sup> ,3s <sup>2</sup> ,3p <sup>6</sup> ,4f <sup>6</sup>
Q98. The same moles of H2, N2 and O2 are present number of molecules:	in 0.1 cc volume at STP. Which one has greatest
A. Na	C. O <sub>2</sub>
B. H <sub>2</sub>	<ul> <li>Number of molecules are equal</li> </ul>
Q99. Which is not a property of liquid?	
A. Osmotic pressure	C. Diffusion
B. Freezing point	D. Melting
100. Which type of forces exist between iodine m	nolecules?
ACCOUNT TO THE PROPERTY OF THE	C. Instantaneous dipole-induced dipole forces
A. Dipole-dipole forces	C. Instantaneous dipole-mauces dipole forces
<ul> <li>B. Dipole-induced dipole forces</li> </ul>	D. Non-polar forces
	CONTROL OF THE PROPERTY OF THE
01. In anisotropic crystals which property do n	ot change with the change in direction of
01. In anisotropic crystals which property	
stalline structure?	
A. Electrical conductance	C. Molar mass
	<ul> <li>D. Refractive index</li> </ul>
B. Thermal conductance	The second provided the se
2. In metals, why electric conductivity decrea	sees with the increase of temperature?
2. In metals, why electric conductivity decrea	C. Because electron direction changes at h
A. Because electron movement decrease with	
the increase of temperature	D. Because they pass heat current throug
the increase of temperature hinder	D. Because die propins

Because metal ions oscillations hinder

electron movement

collision of electrons

	Q103. Why fluorine has less electron affini	ity as compared to	OV.	
	A. Electronegativity		oramine)	
	n Thick small electronic cloud	D.	Seven electrons in the second stighter ionization attendance.	No. of the last of
		on fall at	righer lonization	
	Q104.Which oxyacid of halogen is strong o	exicusing agent?	Charles distances	
		C.	HCIO	
	A. HClOs  Q105. Which of the following transition me  A. Cu+2  B. Fe+2	D.	HCIO.	
	Q105. Which of the following transition me	tal show 3d5 con	figuration (	at is the prof
	5 CH2	C.	Maria in its +2	und state?
	B Fe+2	D.	Zn+2	A TA
			The same of the sa	which one of
	Q106. Which of the following reagents can Pentyne?  A. AgNOs + NH4OH  B. 1 % alkaline dilute KMnO4			tiean
	Q106. Which of the following reagents can	be used to distin	guish between 1 -	8 Mitrogen
	Pentyne?		1-Pentyne	e The proces
	A. AGNO3 + NH4OH	C.	Br2/CCI4	2 stecutes have
	<ol> <li>1 % alkaline dilute KMnO4</li> </ol>	D,	K2Cr2O2 +H2SO4	
				B. Average
	08 N N N N	10.000 0.000	200	127.What is
	Q107. In SN1 reactions the correct order of		나는 아이들이 아니는 그 모든 아이들이 그렇게 다 먹었다.	· Comp
	A. Primary>secondary>tertiary	C	Secondary>primary>tertia	a. Com
	5. Tertiary>secondary>primary	D.	Primary>tertia	
	the second of th	100	Primary>tertiary>second	ary L18.In re
	Q108. What is the IUPAC name of diisopropy	yl ketone?		A. R. B. Pi
	50 Ja (h.7	5		1000
	<ol> <li>1.3-Diisopropylpropan-2-one</li> </ol>	C,	2,4-Dimethylpentan-2-or	119.Th
	<ol> <li>Z,4-Dimethylpentan-3-one</li> </ol>	D.	1,3-Dimethylpropan-2-or	100 m
	Q109. The appearance of a silver mirror in To following?	ollens' test indic	ates the presence of	
	following?		on w	
	A. A ketone			tac
	5. An aldehyde		An acid	
	an alderlyde	D,	An alcohol	
	Q110. Competitive inhibitors stop an enzyme			
		from working i	by:	1
	<ol> <li>Changing the shape of the enzyme</li> </ol>	C	Diit	
	<ol><li>Merging with the substrate instead</li></ol>	C.	Blocking the active site	of the enzyme
		D.	Combining with the pri	oduct of the row
	Q111. If phenol is treated with 3 moles of co	ne HNO2 !- H		53,33,55
	Q111. If phenol is treated with 3 moles of co- product?	nc. ANO3 in the	presence of H2SO4 v	what will be the
	A. c-nitro phenol		Property to the contract of th	
	B. p-nitro phenol	C.	o-nitro phenol and p-r	nitro phenol
	See State world further to the state of	υ.	picric acid	10.70
(	Q112.When 6d orbital is filled, the entering e	410.0%		
	the entering e	lectron goes in	to?	
			ಪ.ಪ.ಕ	
	B. 7d	C.	7p	
	REMARKS.)	-		
Q	2113. Which element have			
	2113.Which element has the ground state ele A. Ar B. CI	ectronia	T 8590	
	Ar Ar	configu	ration of 1s2, 2s2 2	n6 3c2 3n6
	B. CI	1024		PO, 332, 300
		C.	Na	
		D.	S	

g114.What is the proton (-)	
ground state? (atomic number)	of an element that has four unpaired electrons in its
B. 14	f 22
as Subjects	C. 27 D. 26
Q115.Which one of the following gases has	5 the format de la la
A. Neon	the lowest density under room conditions?
B. Nitrogen	C. Gyygen
out The process	D. Flustine
molecules have equal	otter and colder gases remains continued until all the
M. MARCHITCH IPANCIALISM	
B. Average rotational kinetic energy	<ul> <li>Average translational patential energy</li> </ul>
100	La A THE APPENDING CONTRACTOR OF COMMENTS AND ASSESSMENT OF THE PARTY
Q117.What is the ultimate fate of reversib	de resette a
A. Completion of season	reaction?
B. Complete consumption of reactants	G. Complete consumption of products
reactants	<ul> <li>A state when there is no net concentration</li> </ul>
	change
Q118.In reversible reaction, when and	t is removed, the equilibrium shift towards the:
A. Reactant side	t is removed, the equilibrium shift towards the:
B. Product side	C. Both side one by one
o. Froduct side	D. No effect
0110 The ante of	
2119.The rate of reaction between two s	pecific time intervals is called?
A. Instantaneous rate of reaction	
B. Rate of reaction	<ul> <li>Average rate of reaction</li> </ul>
	D. Initial rate
120.How will be the rate of reaction, if teaction?	the slope of the curve is greater near the start of the
A. Constant	20 (2007.0)
B. Equilibrium	C. Greater
	D. Lesser
121.What is the reason of energy chang	ges in chemical reactions?
A. Bond formation	C. Bond formation and breakage
B. Bond breakage	D. Ionic bonds
22.What is the unit of heat capacity?	
22. What is the diffe of heat capacity:	
A. JK-1	C. W/K
B. kJmol-1	D. kJ.mol
	PHYSICS
	FILLMAND

3. Which of the following the fractional change in resistance per kelvin?

A. Conductivity

B. Resistivity

C. Temperature coefficient of resistivity

D. Temperature coefficient of resistance

Q125. Velocity selector will select only those	charge particles whose velocit
Q125. Velocity -	C Was a give
A. $V = E/B$ B. $V = B/E$	D. V=0
Q126. The induced emf produced in the coil is	s sometimes called as?
	C. Motional em
A. Self-inductance B. Back emf	D. Mutual Industance
Q127.The quantity Δφ/Δt has the same units	as that of?
Q127.The quantity 147 21	
A. Current	C. Charge D. Emf
B. Magnetic induction	
Q128.Working principal of magnetic levitation	train is according to?
The state of the s	C. Ohm law
A. Faraday law  B. Max planks law	D. Lenz law
Q129. The expression for the emf produced by	A. C. generator is?
Q129.The expression for the emi produces by	C. NWAB
A. NωAB Sinθ B. NωAB Cosθ	D. ILB Cos8
B. NEAD COST	
Q130.For the positive half cycle i.e., $0 \rightarrow T/2$ , th	
A. Is reverse blased	C. Behaves as open
B. Is forward biased	D. Shows maximum resistance
Q131. The process of ejection of loosely bound e absorption of photon is called:	lectrons from a certain photo sensitive surf
A. Compton effect	C. Pair production
B. Photoelectric effect	<ul> <li>D. Black body radiation</li> </ul>
Q132.In Compton effect, a photon of a certain wa wavelength of the emitted photon is:	velength collides with a stationary electro
A. Longer	C. Same
B. Shorter	D. Infinite
133.The Balmer series of hydrogen is important be	ecause it:
A. Is the only one for which the quantum	
theory can be used	C. Is in the visible region
<ol> <li>Is the only series that occurs for hydrogen</li> </ol>	<ul> <li>Involves the lowest possible quant number n</li> </ul>
Q134.The SI unit of equivalent dose is:	
A. Gray	
B. Mass	C. Rad
	D. Sievert
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Q124.According to maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem, which of the following is the maximum power transfer theorem.

B. E2/2r

and decay rate of radioactive sur	
Q135. The decay rate of radioactive substance is:	
A. Varies inversely with time	
B. Varies inversely with time	C. Decree
	C. Decreases exponentially with time D. Decreases linearly with time
Q136.The relation between gray and rad is given as	and with time
Q130 a 01	: 1 Gy = rad
A. 0.01 A. 0.001	
В-	C. 10
	D. 100
Q137. In the displacement-time graph, if the slope	
Q137.	is constant them as
A. Variable	then the velocity is
a Constant	C. May be
a to hav elidas at	D. Infinite variable or constant
Q138. An 8.0-kg box slides along a horizontal frictively massless spring that compresses 12 cm relatively force of the spring.	innier- «
relatively force of the spring.	before the horat 3 m/s and collider
relatively massless spring that compresses 12 cm relatively force of the spring.	seriore the box comes to a rest. Colored
A. 3 N	calculate the
A. 30 N	C 300 ··
В. 30 11	C. 300 N D. 3000 N
	5. 3000 M
Q139. The circular line has a fix distance from	
0139. The chical man a fix distance from	?
A. Any point	
B. A fix point	C. A point
B. Alla Paris	C. A point on a circle D. A point from outside
	A point from outside
of a particle is moving with uniform	
Q140.If a particle is moving with uniform circular	motion, then:
A. Velocity and acceleration are analysis	C. Velocity and acceleration are
B. Velocity and acceleration are parallel	perpendiculars
	D. Zero acceleration
30 (300)	acro acceleration
2141.One degree is equal to:	
A n/90 radians.	C. n/270 radians.
B. n/180 radians.	D. n/360 radians.
	D. 11/300 radians.
142.An observer standing near the sea shore o	bserves 54 waves per minute. If the wavelength of
ne water wave is 10m then the velocity of water	r wave ic-
le water wave is som their the velocity of water	
A. 540 m/s	C. 5.4 m/s
B. 9 m/s	D. none
143.If the length of second pendulum becomes	s four times, then its time period will become:
143.17 the length of second pendulum become	rour times, then its time period itm seasons
	C. Half
A. Four times	The state of the s
B. Two times	D. One fourth
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44.First law of thermodynamics concerns wit	h the conservation of
A Host	C. Momentum
A. Heat	D. Energy
B. Work	
	when the temperature of n
st a	constant pressure. When the temper
45.An ideal gas has molar specific heat Cp at	ernal energy is:
les is increased by $\Delta T$ the increase in the int	
	$C = n((D-K)\Delta I)$
Α. πCp ΔΤ	D. n(2Cp + R) ΔT
	D. n(2C) + N/2
B. $n(Cp + R) \Delta T$	

B. West bottery	C. Voltmeta-
over cell	C. Voltmeter D. Ammeter  lon 'A', length 'L', and resistance 'R' is cut into a cut into
Q147. A wire at	and township 'It's and
parts. What will baness area of cross-sect	each part?
A 11	ener partie
B. If will be doubled	C. It will be halved
one fourth	D. It will remain the same
Q148. If 0.5 T field is applied over an area of	2-meter square which lies at an
with the field, then the resulting flux will be:	C. It will be halved D. It will remain the same  2-meter square which lies at an angle of 50 cooks  C. 0.25 Wb
A. 0.5 r	C. 0.25 Wb
B. 0.5 Wb	D. 0.25 T
Q149.The magnitude of magnetic force will be magnetic field if conductor is placed?	imum on current caraci
magnetic field if conduct a to a d2	maximum on correct carrying conductor:
. Conductor is placed?	The state of the s
A. Parallel to magnetic field	
B. At 45 degree in magnetic field	-gricut fiala
Q150.In principle, the transformer consists of to other, wound on the same?	wo coils of copper, electrically incut
other, wound on the same?	misulated from s
A. Iron core.	C. Gold core
B. Copper core.	D. Steel core.
and the state of t	2. 2.2
Q151.In Compton effect, the incident photon wh	en compared to the scattered photon is of:
A. Greater energy	C. Greater energy and momentum
B. Greater frequency	D. Equal energy
O152 Which of the following is the towns to the	
Q152.Which of the following is the longest wavel	ength of radiation for the Paschen series?
A. 187000000 m	C. 0.00000187 m
B. 187000000/ m	D. 0.00000187 / m
0153. Which of the following is the second deficition	
Q153.Which of the following is the correct definition	on of variable velocity?
A. Unequal distances are covered in equal	C. Unequal displacements are made in e
intervals of time  B. Equal displacements are made in	intervals of time
<ul> <li>Equal displacements are made in unequal intervals of time</li> </ul>	D. Equal displacements are made in equal
	illervals of time
Q154. The velocity-time plot for a moving particle sh	lows a start L
A. The particle has a constant acceleration	lows a straight line. This means:
B. The particle has never turned around	C. The particle has zero displacement
	U. THE DATA IN INCLUSE
Q155.A man is in a car that is moving with the veloci is:	
is: Moving with the veloci	ty of 36km/hr.His speed with soccest to the
A. 10m/s	apace with respect to the
B. 36m/s	C. Zero
	D. Infinite
	munice
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A ... The ohmmeter of a portable digital multi meter need:

A. Internal battery

which car there is resultant force?	
Otsi moving on a straight horizontal road	
a car moving at constant speed around a	C. r.
F transf	D. Car thoying uphili at
O157-If two equal masses are in motion with san	D. Car that is stationary
ST. If INO Equit	ne individual -
Q3- Their momentums are same	speeds, we can con-
fn other	C. Their kinetic energies are different from each other
each other	each other energies are different from
ark done by a variable force	D. Their total energies are same
Q158. The work done by a variable force can be force into small intervals	ound by divides
Force into small intervals	
The displacement into small intervals	C. Both force and displacement into small D. By total
	Intervals of placement into small
	D. By taking displacements at different angles
Q159. Two bodies with kinetic energies in the rat	tio of 4: 1 are
The ratio of their masses is.	I are moving with equal linear ma
1 . 2	
A. 1:2 5. 1:1	C. 4:1
	D. 1:4
. fisherman lifts a fish of mass 250 g for	LATVA-SMAN BLOOK BROCKER
$Q_{160.A}$ fisherman lifts a fish of mass 250 g from $Q_{160.A}$ fisherman lifts a fish of mass 250 g from $Q_{160.A}$ fisherman lifts a fish of mass 250 g from $Q_{160.A}$	rest through a vertical height of 1.8 m. The fish ined by the fish?
A. 0.15 J	C. 4.4 j
5. 4.3 )	D. 4.6.1
	D. 4.63
161.0ne radian is analogous to:	
A. 57°3'	C. 57°18'
a. 57°3"	D. 57°18"
162.Wave trough refers to the:	
162. Wave trough refers to the	
A. Wave length	C. Highest point of the wave
5. Wave speed	D. Lowest point of the wave
S. Have special	
63.When a wave goes from one medium to a	nother, there is a no change in the:
	C. Wavelength
A. Frequency	D. Velocity
B. Amplitude	Seas Secretary
	martisle of medium:
4.If transverse waves are passing through	medium, then particle of medium
	= Mayo toward
A. Remain stationary	D. Move in Simple Harmonic Motion
B. Move away	D. Flore III -
The department of the second	nds upon:
5.The speed of sound in an ideal gas deper	C. Temperature and density
	C. Temperature amplitude
. Temperature and amplitude	D. Density and amplitude
Frequency and fog	

fre	equence distant star i	
ki n	ed with 4.57 x 1021 receding from the	Barth with a speed of 1.40 × 10 ° 7 m/s. It some hight is 3.0 × 10 ° 8 m/s. The Doppler effect to the highest to the state of the state
VA.	light waves. Hs. The speed of	light to 3.0 s 10 ft m/s. The Doppler effections
	hat will be the frequency of this light w	torrain se
	A 3 as	hen detected on Earth?
	A. 2.04 x 10 13 Hz	C. 4.52 x 10°14 10 D. 4.79 x 10°14 10
	B. 4.32 × 10 13 Hz	D. 4.79 × 10 14 11/
01	67 For and	AND THE PROPERTY OF THE PROPER
	an ideal gas equation PV= nut.	the dimensions of Real Gas Constant R are;
	A [N1 L2 T-2 K-11	C. [M1 L-2 [-1 K-1] D. [M1 L-3 [-2 K-1]
	8 [M1 L2 T-2 K-1] 8 [M1 L-3 T-1 K-1]	O. [M1 L-3 T-2 E-1]
010	SR. As per Co.	condition between two-point et
dire	ectly proportional to the:	ittraction or repulsion between two-point charges is
	A Sum of the magnitude of charges	C. Product of the magnitude of charges
	B. Square of the distance between them	D. Cube of the distance
Q16	9. Electric field intensity inside a hollo	w charged sphere is:
		C. Negative
	A Maximum 5. Zere	D. Positive
	4.000	
Q17	0.Gauss law cannot be used to find wi	nich of the following quantity?
	Electric field intensity	C. Charge
	Electric flux density	D. Permittivity
meta	LA charged particle moves in a unifor il plates. To calculate the force acting equired?	m electric field between two oppositely charged par on the particle due to the electric field, which quan
	Production of the second	C Plate constition
	Particle charge	C. Plate separation
-	Particle speed	D. Potential difference between the pl
Q172. energ	What is the potential difference between the common a charge of 2 C between the	veen two points in an electric field if it takes 600 3 nese two points?
Α.	1200 3	C. 300 J
5	800 J	D. 0 J
Q173.	To store the electric charge the ultra	-capacitors use effect.
	Single layer	6 741
3	Double layer	C. Triple layer
		D. Quadruple layer
Q174.A	capacitor of capacitance 'C' has a c	harge 'O' and store t
increas	ed to '2Q'. The stored energy will be	harge 'Q' and stored energy is 'w'. If the charge
Α		
Б.	4W	C. W/4
		D. W/2

Q175. The resistance of the with with within the serious of cross section.	
Q175 Area of cross section	
H.	
tellowing for	f. homovey
of the formula, the synthesis the stand to the synthesis of the cross-sectional area of the country to the section of the country the standard of the country the standard of the country the standard of the country the section of the country the standard of the country the c	Fit I the transport and come
pi/A cross-sectional area of the	of Annihilating of a facility of conductor 2 in
Cross-sectional area of the combined by the	
product of the length of the conductor in	Personally of the material of the party
Microsoft (1)	Africa (All Control of the Control o
	A RESIDENCE AF THE STATES
He is teaching nicely. The ways	
Q177. He is teaching nicely. The word he had	
A pregular verb	
B. Irregular	6. Frethance men
N. STORMAN	de lindrag som
Q178. Katherine made her children	
n a Dise	recording the record of the displacements
make sume	The same will be a second of the same of t
B. take some	* 10 come
	Si Asian ceres as
Q179. Right after the Civil War, many distraught of	
one young man, Will Goodlad, made his fortune fiver near Grand Junction. His fortune	Distance made course many allowance
bankruptcy and returned to the land of his birth- the Will fight during the War?	short lives, recentury, se seems s Placement of South Consilies size and
A. East	C. North
B. West	5 South
Q180 so many people been out of wor to be filled in the blank?	k as today. Which part is the most appropriate
A. More than ever before	C. In the sect, there have have
B. Never before have	D. Formerly, there have need
181. Spot the error out of the bracketed words. We	try to speak (with) (one another) (but)
(convey) nothing.	
1 % NACT	C but
A. with	D. carrier
B. one another	
182. In winter, the days and nights is cold. Choose	the part of the sentence that comes error.
182. In winter, the days and nights is cold. Choose	
100.10.000	C. And nights
A. In winter	D. Is cold
B. The days	ATTENDED
	to appropriate
thouse the co	rrect option:
Q183methods don't work. Choose the co	e Tee
A. This	D. That
B. These	Pai
in History	

A. has a game of tennis.	
A. has a game of tennis.  B. had	S-2000
	C. have D. trave had
Q185. The pen is expensive; still Iit.	H*DS4HWO.C
pen is expensive; still t	
A. bought	C. have bought as
B. Will buy	D. buyed
Oise -	
Q186. Punctuate the given sentence correctly.	too boards the
	nal Relations he also neads the Discipling
Committee.	CONTROL OF THE PROPERTY OF THE
A Nu fatt	Internal Relations: he also heads the Common of the Common
A. My father is Chairman of the Committee on	Discipline Committee.
Internal Relations. He also heads the	
B. My father is Chairman of the Committee on	D. My father is Chairman of the Committee Internal Relations, but he also heads the Discipline Committee.
Internal Relations - he also heads the	Discipline Committee.
Discipline Committee.	
	-+7
Q187. Which of the following sentences is corre	C. I want to live where, my parents live
	D. I want to live where: my parents live.
A. I want to live near my parents live.	D. 1 Harr
<ol> <li>I want to live where my parents live.</li> </ol>	
Q188. Choose the sentence that is grammatical	y correct:
	C. He weighed themselves two maunds
<ol> <li>He weighed himself two maunds.</li> </ol>	D. He weighed itself two maunds.
<ul> <li>B. He weighed two maunds.</li> </ul>	
1243 N 10162-7 (4936-47) (1997)	
Q189. Choose the correct option.	
boneat	h our feet.
We felt as if the ground was believe	
CONTRACTOR CONTRACTOR	C. slipping
A. digging	D. bursting
B. sinking	
that hur	man beings do not belong to this earth.
Q190. A few years ago, it that hur	TOTAL STREET STR
	C. were found
A. found	D. had found
B. was found	
2200.00.00	
Q191. A shoal of fish killed by t	the fishermen.
SOUTH THE PARTY OF	C. had
A. has been	
B. have	D. has
Q192. At last the fly was The most ap	propriate word to be filled in is:
Q132. At last the Hy was The most ap	propriate word to be fined in its
A. Trapped by the spider	<ul> <li>C. Invited by the spider</li> </ul>
B. Entertained by the spider	
b. Entertained by the spider	D. Spared by the spider.

· Only III is correct Only I and II are correct

All children are silly people. Some silly people are rich people. All rich people of the following conclusions are NECESSARILY TRUE?

I.Some silly people are children. II. Some rich people are children. III. Some silly people are big shots.

I and III II

C. II and III

D. I and II

## Rough Work