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DW.	COM COT. COM BIOLOGY CT. COM	CT.COM
	1. Example of viruses having a polyhedral capsid that is with 252 capsomeres is:	WISEGO
	A. Adenovirus C. Influenza virus	
	B. Tobacco Mosaic Virus D. Bacteriophage	- >
) ₁₄ ,		-OT.CO
	2. The complete, mature & infectious particle of virus is known as: C. Prion (150)	WISEGO
	B. Capsomere D. Envelope	4.
	3. The causative organism of measles is	
DIV.	A. Poxivirus COM CCOPicornovirus COM	OT.COM
	Paporivirus SEGOV D. Paramyxovirus	MSEGO
	4. In the life cycle of a bacteriophage, the lysozymes are required in which of the following	41.
	steps of infection process?	
D_{W}	A. Genome injection COM CoReplication COM	cop
	B. Penetration SEGO D. Adsorption O. Adsorption D. Adsorpt	USEGO !
	5 is transmitted through infected blood and hypodermic syringes	Mis
	A. HIV C. Morbilli Virus (Measles)	
DW	B. Influenza Virus Com D. Vibrio Cholerae (Cholera)	- cot
	6. In Calvin cycle CO2 reacts with RuBP to produce	SEGO1.
	C. 6-Carbon unstable intermediate	MISS
	B. G3P D. 1,3 bisphosphglycerate	
MC	7. Which option is correct about a chlorophyll molecule? A. Chemical formula C ₅₅ H ₇₀ O ₆ N ₄ Mg C. Methyl group on second pyrrole ring	cot
	A. Chemical formula C ₅₅ H ₇₀ O ₆ N ₄ Mg B. Porphyrin ring with nitrogen in centre C. Methyl group on second pyrrole ring D. Aldehyde group on second pyrrole ring	CEGOT.CO
	8. In the journey of electrons from photosystem II to photosystem I plastocyanine is reduced	dWISE
	by	
Mc	A. Plastoquinone CM C. P700	100
	B. Cytochrome complex D. Primary electron acceptor of PSI	-GOT.CO
	9. Enzyme NADP reductase is responsible for:	WISE
	A. Reducing NADP+ C. Reducing Ferredoxin	
14-	B. Oxidizing NADP + D. Reducing P ₇₀₀	
314	10. The PS II during light reactions receives electrons from splitting of	COT.CO
	MISE Water Wise C. Plastocyanin	WISEGO
	B. Plastoquinone D. Ferridoxin	4
	11. Mono-saccharides have a general formula represented by	
\mathfrak{I}_{M}	A. Cn(H ₂ O)n C. C ₂ (H ₂ O)n	oT.CO
	A. Cn(H ₂ O)n NSEGOT. C. C ₂ (H ₂ O)n D. C ⁿ (H ₂ O)n	NISEGO
	A ST STATE A	4.
	12. What is the percentage of H ₂ O in bone cells? A. 70 % A. C. 99 % C. 99 %	
DW	A. 70 % N B. 20 % C. 99 % D. 60 % SEGOT.COM	coh
	A. 70 % D. 60 % 13. When glycerol reacts with fatty acid, which type of chemical bond will form? A. Ester Bond B. Ether Linkage C. 99 % C. Hydrogen Bond D. Jonic Bond	WISEGOT.COM
	13. When glycerol reacts with fatty acid, which type of chemical bond will form?	Mis
	A. Ester Bond C. Hydrogen Bond	
DW		- coh
	14. Polysaccharides in plants are synthesized by the process of	SEGO1.
	A. Hydrolysis C. Condensation	MISS
	B. Oxidation D. Glycolysis	
MC	15. Which of the following process is involved in breakdown of protein into Amino acids?	WISEGOT.COM
	As Condensation CEGO C. Glycolysis CO	CEGOT. C
	B. Hydrolysis D. Fixation	MISE
MC	A. Glycerol B. Amine group SEGOT COMPANIES D. Phosphate group	100
	A. Glycerol C. Fatty Acid	CGOT.CC
	B. Amine group SEGO D. Phosphate group	WISEGOT.COM
M	MDCAT 2024 -A	
)-	cor.co.	COT.CO.
	MDCAT 2024 -A WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM	WISEGOT.COM

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A		ПО	saccharide w	ill from a glu	CO Dyranasa s		A	The second secon
Du.		The second secon	COT.COM	CO1.	co pyranose fi	ng in solution . Ribose	? WISEGOT.COM	WISEGOT, COM
	В.	Glucose	WISEGO	WISEGE		. Deoxyribose	WISEGO	WISEG
8	. CI	nloroplast a	are membran	a hound had!		. Deaxyribose		
DW	A.	Enzymes	COM	e nound bodi		Diamont COM	WISEGOT.COM	WISEGOT.COM
		Cisternae	MSEGO	MISEGOT		. Pigment . Cristae	MSEGOI	NISEGOT
c	- 14		following to	41.		The state of the s	M.	M.
M	Λ	Intracellula	rollowing is	the function (of Golgi Comp	ex?	Mo	Ma
J11		Autophagy		-GOT.COM		Autolysis	and angolione	COT.COM
	4	Soutophagy	WISE	MISEC	WISEC	Processing of	cell secretions	WISEC
20). TI	he nucleus	takes dyes dı	e to the pres	ence of			
DW	Α.	Chromatin	COM	COM	COLC	Metal ions	COM	COM
	В.	Lipid	NISEGOV	MISEGOV	D. D.	Thylakoids	MISEGOT	NISEGOT
2	1. T	he organell	es only found	at seeding s	tage in oil see	d plants are		
M		. Peroxioson		COM	COLC.	Microbodies	MOS	MOS
		Glyoxiosom		CEGOT.CO	CEGOT.CO D.	Vacuoles	argot.co	CEGOT.CO
-	 3 	13.	e of pituitary	Wisc	MISE	MISE	MIZE	MISE
_		A	. Manuaca	***	C.	Adreno Cortic	ufrotric Hormon	e (ACH)
DW	R	Thyroid Sti	mulating Horm	one (TSH)	COND	Follicle Stimu	lating Hormone	(FSH)
	4	ISEUGIOIGO	WISEGUIS	WISEGO	WISEGO	WISEGO	TOW ISEGO	WISEGO
2	3, I	n human my	elinated fibe	rs nerve impu	ulse travels at	160-180	per second.	
MC	A	. 100-120	COM	COM	<u>.</u>	190-210	COM	COM
		. 130-150	ISEGOT.LE	SEGOT. CO	ISEGOT. CO	150 ZIO	WISEGOT.COM	WISEGOT.COM
2	4. N	lissl's granu	les are group	sof	412	Ribosomes	Miss	4/132
		Mesosomes		Az		Chromosome	· Az-	42-
Dis.		Lysosomes		COT.COM	OT:CO.	OT.CO.	COT.COM	COT.COM
2	5. D	uring non-c	onducting sta	te, the neuro	n membrane	is permeable	to efflux of	WISEGO
		K+			C.	Ca⁺		
MC	В.	Na+ com	COM	COM	COID.	CI-	COM	COM
26	5. W	hich of the	following neu	rotransmitte	rs is lying out	side the cent	ral nervous sy	stem?
		Acetylcholin	e	4110	C.	Dopamine	Min	41.
~~	в.	Endorphins	a M	M	D.	Gamma – am	inobutyric acid	aw.
7	. D	epolarizatio	n during cond	uction of ner	ve impulse is	due to	-GOT.COM	WISEGOT, COM
			ement of Na+	MISE	WISE C.	Outward mov	ement of K+	WISEC
		Inward mov			D.	Outward mov	rement of Na+	
DW		COM	COM	COM	COM	COM	COM	COM
3	. w				of Autonomic	Nervous Sys	tem? EGO	NISEGOT
	A.	Regulate re	sponse of visce	ral organs	C.		oonse of glands	44.
Me	В.	Regulate re	sponse of skele	tal muscles	D.	Regulate resp	oonse of smooth	muscles
	-	GOT.CO	· CEGOT.CO	· CEGOT.CO	CEGOT.CO	CEGOT.CO	CEGOT.CO	CEGOT.CO
			r is an examp	leof	MISS	Wish was not	MISE	MISE
	A.	Mechano re			C.	Photo recepto		
DW	в.	Nociceptors	COT.COM	COM.COM	cov.coD.	Chemo recep	tors	COT.COM
	W	ich of the f	ollowing belo	nas to chord	2+XISEGU	WISEGO	tors COM	WISEGOT.CO
		Spider	onowing belo	ngs to chord	C.	Trout Fish		
MC		Earthworm	MON	COM	7.	Star Fishcow	COM	COM
			MSEGOT.	SEGOT. C			ASEGOT.	ISEGOT.
	Νħ	ion of the fo	ollowing state	ement is inco	rrect regardi	ng rate of en	zymatic action	1 412
A		increase in e	nzyme concen	tration	C.	All enzymes v	work at their ma	aximum rate
) _{LL} ,		increases the	07.0	COT.COM	COT.COM	at optimum t	4011	COT.COM
			nzyme concent	tration	WISEGE D.	At .	vork at their ma	aximum rate
		reduces the r	ate			at optimum p	Н	
DW		COM	COM	COM	COM	- COM	COM	COM
		CEGO1.	CEGO1.	CEGO1.	CEGO1.	CEGO1.	CEGO1.	CEGO1.

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DIA.	EGOT.COM	-EGOT.COM	CEGOT.COM	agoT.CO	EGOT.COM	Page 5 of 1	CEGOT.COM
32	 Induced fit mode A. Cannot modify 	el of enzyme ac	tivity suggest		enzyme an catalyze related	WISE	MISE
	B. Can bind to a s	ingle substrate	-M		sually belongs to no		-24
)ы.	COT.COM	COT.COM	GOT.COM	-OT.CO	enzyme	GOT.COM	GOT.COM
33	. Chromosomal ab	mormality in II	irner syndron	C. X		WISE	WISE
	B. XYY		, A	D. >		, A	
34	. The change in fr	equency of alle	les at a locus				COT.COM
	A. Mutation B. Genetic Drift	ISEO W	SEG		Non Random mating Speciation	WISEG	WISEG
5-				J	speciation		
105	 Identify the corr A. Ear Muscles & 			co'C.	Ear Muscles & Liver	COT.COM	COT.COM
	B. Heart & Liver		SEG		Vermiform appendi		WISEG
36	. Which of the fol	lavelaa lasaass	s variation w	ithin a gor	no nool2		
)W	A. Chromosome		es variation w		Gene mutation	COT.COM	COT.COM
	B. Crossing over		SEGO		Random fusion of g	ametes	WISEGE
37	. Which of the fol						
)W	A. It affects variaB. It is selected		eritable		It can improve the It is regional in nat		ies COM
38	The formula cal	GE	SEGO	IGE	1550	1GEO	ollis
	known as:	culating the fre	quency or gen	notypes ai	id alicies iii a pop	didtion gene po	
)W	A. Hardy-Weinbe	erg Equation	OT. COM		Darwin Equation	CT.COM	OT.COM
	B. Lamarck Equa	13.	SEGO	1/2r	James Hutton Equ	ation EGO	WISEGO
39	 The idea of inhe A. Jean Baptist L 		iired characte	eristics wa	s presented by: Thomas Malthus		
M	B. Charles Darwi		COM		Alfred Wallace	COM	COM
40	. According to en	dosymbiosis th	eory, flagella	may have	derived by the i	ngestion of	WISEGOT
	prokaryotes sim	ilar to				. 6	
M	 A. Amoeboid pro B. Aerobic bacter 		COM		Spirochete Spirillum	COM	COM
41	. Insulin converts	AEGO	SEGO V.	WISEGO 12.	WISEGOT	WISEGO !	WISEGOT
41	A. Vitamins	glacose into		- 1 C.	Lipids	4	4
MC	B. Minerals	COM	COM	P.	Cortisone COM	COM	COM
42	. About 70% of th	e carbon dioxi	de is carried	in blood a	s: WISEGOT.	WISEGOT.COM	WISEGOT.COM
	A. Carbonate			C.	Tricarbonate		4.
M	B. Bicarbonate	COM	COM	D.	Carbonic anhydra	ise	COM
43	. Range of normal	total lung cap	acity in hum		10 MISEGOT.	wisegor.com	WISEGOT.CO.
	A. 5-6 liter	- 4			10-11 liter 12-13 liter		M.
M	B. 8-9 liter	COM	COM	D.	15-12 lifet	MON	COM
44	. Respiration in P	seudomonas b	acteria is	USEGOT.L.	- MSEGOT. CO	WISEGOT.COM	USEGOT.L.
	A. Aerobic	41		C.		41,2	All
M	B. Anaerobic	MO	MOS	D.	Ma	MOS	MOS
5	. Autotrophic mo		in organism		upon Photographosis	mode ^{EGOT} .Co	ISEGOT.CO
	A. Saprotrophic n B. Parasitic mode			WISE C.		mode	Als
M-	and the last		MO	-0	M and	Mo	Ma
6	A. Mesosomes	S lack, CO.	CEGOT.CO.	CEGOT.CO	. Storage bodies	CEGOT.CO.	CEGOT.CO.
	B. Ribosomes	Dr. A	10-	D	- W	nd organelles	MISS
Ma	Bacterial genom	a hacomata din	loid: 🗚		μΛ	_M	_ _ _ _ _ _ _ _ _ _ _
J. 7	A. After fertilizati		CEGOT.COM	CEGOT.CO	. During binary	ission GOT COR	CEGOT.COM
	B. Before spore for	ormation	1900		. After binary fis	41/3	Alpra
	and the second						

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J.	48. One of the following is CORRECT regarding flagella: A. Made up of macrofilaments B. Contains centriole C. Originates from basal bodies D. They are immotile	
D _W	49. Which option is CORRECT about endospore? A. Has a short dormant period B. Contains moisture for survival C. Metabolically actively D. Endures extreme condition	WISEGOT.COM
ΟW	A. Lag Cor. C. Stationary W.S. Log Cor. C. D. Decline	WISEGOT.COM
DΜ	A. Cell wall B. Cell membrane of the invagination of bacterial cell structure On C. Plasmid Company	WISEGOT, COM
ρM	52. Female reproductive system consists all of the following EXCEPT A. Ovaries B. Oviduct D. Seminiferous tubules	N COM
ρM	53. Which one of the following hormone is responsible for the labor pains in human the time of birth of baby? A. Estrogen B. Progesterone C. Oxytocin D. Corticosteroid	WISEGOT.COM
ρM	A. Oocyte B. Sperms A. Sperms A. Sperms A. Spermatogonia	ment to: M WISEGOT, COM
ρM	A. Testosterone B. Follicle stimulating hormone	WISEGOT.COM
DW.	A. Follicles reach maximum size B. Follicle degenerates C. Graafian follicle ovulates D. Follicle starts to mature	M TGEGOT.COM
ρM	57. Main function of the epididymis is to: A. Transport sperms B. Connect with urethra C. Produce semen D. Hold the process of sperm	natogenesis
	58. Immediate next stage of spermatogonia differentiation is:	MISE
ρM	A. Secondary spermatocyte B. Spermatids D. Sperms 59. Which of the following is included in paired cranial bones?	WISEGOT.COM
ρM	A. Temporal B. Occipital C. Frontal D. Vomer D. Vomer	M SYNSEGOT.COM
DΜ	A. Sciatica B. Spondylosis On the following skeletal disorder is an example of autoimmune disorder. C. Rheumatoid arthritis D. Rickets	der?
M	L. Which feature is possessed by smooth muscles? A. Voluntary C. Uni-nucleate	W COM
	B. Branched Wisegot D. Striated appearance	WISEGOT.CO
DΜ	The accumulation of lactic acid' in the muscles results in Extreme fatigue C. Paralysis Muscle contraction D. Convulsion	WISEGOT.COM
ΟW	Actin wise C. Tropomyosin Segot Control Contro	WISEGOT, COM
οM	Myosin AT 2024 -A GOT.COM WISEGOT.COM WISE	markly

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A, Two I bands B. Two A bands	ibril between:		wo M lines	WISEGOT.COM	WISEGOT.COM
A. Forebrain B. Mid brain	WISEGOT.COM	WISEGO D. H	lind brain co ^M lippocampus	WISEGOT.COM	WISEGOT.COM
66. Which of the following is	NOT a bone of u	ipper limb?	Femur		
A. Humerus B. Ulna	WISEGOT.COM		Radius COM	WISEGOT.COM	WISEGOT.COM
A. Osteoblasts B. Osteocytes	*OW		Osteoclasts Osteons		
68. The chromosomes was fir	st observed by:	-01.00	CEGOT.CO	WISEGOT.COM	WISEGOT.COM
A. T. H Morgan B. Griffith	Stopserved by	C.	Walther Mendel		41122
J. COM	COM	COM	COM	COM	COM
WISEGO1.	WISEGO CH	IEMISTRY	Mendel WISEGOT.COM	WISEGOT.COM	MISEGOIT
69. Number of moles in an el	ement is direct	y proportiona	il to:	- 24	- >
A. Mass of an element B. Empirical formula mass	WISEGOT.COM	COT.CC.	Molar mass of an Formula mass	element COM	WISEGOT.COM
70. The type and relative am	ount of each isc	otope in an ele	ement can be for	und by:	
A. R spectroscopy B. U. V spectroscopy	WISEGOT.COM	COC.	Mass Spectrome N.M.R		WISEGOT.COM
71. The atomic masses of ele	ment depend u	pon:			
A. Atomic number B. Number of electrons	WISEGOT.COM	ccc.	Number of isopo None of the abo		ndance COM
	44	A.		4.	4.
72. No individual atom in the	sample of 1 m	ole of Neon h	as a mass of 20.	.18 a.m.u. bec	ause it
72. No individual atom in the is: A. Overall mass of an isoba	COM	CEGOT.COM	It is molar mass. Average atomic	of Neor.com	ause it
is: A. Overall mass of an isoba	ar WISEGOT, COM	WISEGOT.COM. D.	It is molar mass	of Neor.com	WISEGOT.COM
A. Overall mass of an isoba B. It is a fractional mass 3. The p orbital has A. 2 lobes B. 3 lobes	WISEGOT.COM	WISEGOT.COM. D. WISEGOT.COM. D.	It is molar mass. Average atomic 4 lobes 5 lobes	s of Neor com mass of Ne	WISEGOT.COM
A. Overall mass of an isoba B. It is a fractional mass 3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following electric states and the second states are also second states as a second state and the second states are also second states ar	WISEGOT.COM	WISEGOT.COM D. WISEGOT.COM D. Uration is con	It is molar mass. Average atomic 4 lobes 5 lobes	s of Neor.com mass of Ne	WISEGOT.COM
A. Overall mass of an isoba B. It is a fractional mass 3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ele A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴	ectronic config	wisegot com D. wisegot com D. uration is con wisegot co	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s ² 2s ² 2p ² 1s ² 2s ² 2p ¹	s of Neor com mass of Ne	WISEGOT.COM
A. Overall mass of an isoba B. It is a fractional mass 3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following electric states and the second states are also second states as a second state and the second states are also second states ar	ectronic config	uration is con WISEGOT COM UNISEGOT COM UNISEGOT COM UNISEGOT COM D es of ideal ga	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s ² 2s ² 2p ² 1s ² 2s ² 2p ¹	s of Neor com mass of Ne	WISEGOT.COM
A. Overall mass of an isoba B. It is a fractional mass 3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ele A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴ 5. Intermolecular forces bet A. Strong B. Moderate	ectronic config	uration is con WISEGOT COM UNISEGOT COM UNISEGOT COM UNISEGOT COM D es of ideal ga	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s ² 2s ² 2p ² 1s ² 2s ² 2p ¹ as are Weak	s of Neor com mass of Ne	WISEGOT.COM WISEGOT.COM
is: A. Overall mass of an isoba B. It is a fractional mass '3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ele A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴ 5. Intermolecular forces bet A. Strong B. Moderate 5. The correct ideal gas equal A. qV=nRt	ectronic config	uration is con UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM UNSEGOT.COM	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s²2s²2p² 1s²2s²2p¹ as are Weak Absent 2. $gV=nRt$	s of Neor com mass of Ne	WISEGOT.COM
is: A. Overall mass of an isoba B. It is a fractional mass '3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ela A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴ 5. Intermolecular forces bet A. Strong B. Moderate 5. The correct ideal gas equal A. qV=nRt B. pV=nRt	ectronic config	uration is con USEGOT COM US	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s²2s²2p² 1s²2s²2p¹ as are Weak Absent gV=nRt yV=nRt rat:	of NeoT.COM mass of Ne whisegot.com whisegot.com whisegot.com whisegot.com	WISEGOT.COM WISEGOT.COM WISEGOT.COM
is: A. Overall mass of an isoba B. It is a fractional mass '3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ele A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴ 5. Intermolecular forces bet A. Strong B. Moderate 5. The correct ideal gas equal A. qV=nRt	ectronic config	uration is con uration is con ursecon.co D uration is con ursecon.co D es of ideal ga ursecon.co D teal behavior	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s²2s²2p² 1s²2s²2p¹ as are Weak Absent gV=nRt yV=nRt	s of NeoT.COM mass of Ne mass of	WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM Pressure.COM
is: A. Overall mass of an isoba B. It is a fractional mass '3. The p orbital has A. 2 lobes B. 3 lobes 4. Which of the following ele A. 1s ² 2s ² 2p ³ B. 1s ² 2s ² 2p ⁴ 5. Intermolecular forces bet A. Strong B. Moderate 5. The correct ideal gas equal A. qV=nRt B. pV=nRt 7. The real gases show dev A. Low temperature and lov B. High temperature and him	ectronic configuration is viation from idea of pressure	uration is con uration is con ursegor. COM ursegor. COM unsegor. COM u	It is molar mass. Average atomic 4 lobes 5 lobes rect for carbon 1s²2s²2p² 1s²2s²2p¹ as are Weak Absent gV=nRt yV=nRt at: Low temperat High temperat	e of Neor. com e mass of Ne wisegor.com wisegor.com wisegor.com wisegor.com wisegor.com wisegor.com wisegor.com wisegor.com wisegor.com	WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM PRESSURE COM PRESSURE COM
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Which one of the following DO NOT have tenden	C. Carboxylic acid
B. Ethyl alcohol	D. Hydrocarbon
80. Boiling point of a liquid is a temperature at which	h: com com com
A. Surface tension is greater than the	C. Vapour pressure equals the atmospheric
atmospheric pressure B. Viscosity is less than the atmospheric	pressure D. Viscosity equals the atmospheric
com pressure com	pressure on com
81. Whenever the crystalline sollds are broken they	do so along definite planes known as:
A. Cleavage planes	C. Sagittal planes
B. Refractory planes	D. Coronal planes
82. One of the following is NOT an example of amor	phous solids
A. Plastic	C. Glucose D. Rubber
Glass COM	
83. In graphite the carbon atoms are arranged in w	hich of the following structure?
A. Rhombic	C. Tetragonal D. Trigonal
B. Hexagonal COM	
84. The principle that states that if a stress is appli	ed to a system at equilibrium the system
nullify the effect of seress as far as	C. Boyle's
A. Haber's	D. Charles'
B. Le-Chatelier on the n	naximum vield of ammonia by Haber's
85. Identify the CORRECT option required for the n	and an instance of the same of the same
A. High pressure low temperature continual	C. High pressure high temperature
A. High pressure low temperature continual removal of ammonia	continual removal of ammonia D. High pressure low temperature continual
	addition of ammonia
B. Low pressure removal of ammonia	
on a union of the in equilibrium	and tell addition of which chemical will
86. Consider the following reaction in equilibrium	wise wise with the mise will and tell addition of which chemical will a wise will a wise will a will
86. Consider the following reaction in equilibrium	C. BiOCI ON
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	A. Reactants and B. Reactants is m	products is e nore than that	qual of products			roducts is more the eactants & Product		
92	. All of the follow	wing steps a	re used to cal	culate th	e latt	ice energy in Bo	rn-Haber cycle	
DW.	A. Atomizing the		WISEGOT.COM	WISEGO!		elonize the metal	WISEGOT.COM	WISEGOT.COM
			1 Mole of wat	or le form		y the reaction o	f acid with an a	alkali
93	under standard			er 15 1011	COM	COM	COM	COM
	A. Enthalpy of for B. Enthalpy of rea	mation action	WISEGOT	WISEGO		nthalpy of combus nthalpy of neutral		WISEGO
94	. Oxidation num	iber of ¿Mn'	in KMnO4 is		COM	COM	COM	COM
	A. 0001. B. +1	ISEGOT.	WISEGOT.	WISEGO	C	7 WISEGOT.	WISEGOT.	WISEGOT.
95.			ith respect to	balancin	gof	edox equations	by oxidation	- coM
	number metho A. Split the react		alf reactions	WISEGO	C. 1	dentify the eleme	nt undergoing a	WISEGO1.
	B. Assign oxidation			4	C	hange in oxidatio	n number	4.
MC	involved in the		COM			qualize the numb	er of electrons lo	ost
	WISEGOT.	USEGOT.	WISEGOT.	WISEGOT		and gained	WISEGOT.	WISEGOT.
96.		ollowing is t	NOT a correct	feature o	f ele	ctrolytic cells?		4.
MC	A. Reduction occ	urs at cathode	e com		C. A	Alternating current to electrodes	source is conne	ectea
	B. Oxidation occu	urs at anode	WISEGOT. C	WISEGOT		lectrochemical re	action takes pla	ce,nsegoT.
97.	At . At		41.	41.			W.	41.
DW.	Which of the fo	ollowing has	s a coordinate	bond?	OM	NH ₃ BF ₃ COM	COM	COM
	B. CaO	USEGOT.	WISEGOT.	MISEGO	D.	H ₂ O SEGO	WISEGOT.	WISEGOT.
98.	Which of the for A. It determines molecule B. Pairs of electro	the shape of	"SEGOT.COM	of Valend	D.	ell Electron Pair It helps in unders medicinal drug m Only lone pairs pa determining geon	tanding interact nolecules articipate in	cion of COM
99.	Which of the fo	llowing has	smallest ator	mic radiu	SOM	COT.COM_	GOT.COM	WISEGOT.COM
	A. Mg B. S	ISEC	WISEC	WISEC	c.	Na WISEGO	MISEC	WISEC
					υ.	IVG		
100	. The difference	of lithium fr	om the other	alkali m	o. etals	is mainly becau	use of:	COM
100.	COT.CO	-OT.00	COT.CO	alkali m	etals	is mainly becau	COT.CO	cor.com
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M	A. Large radius	and low charg	ge density ge density	WISEGOT	etals C.	is mainly becau Large radius an	d high charge o	lensity or com
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			ional Group	tene are sno	wing which	7 7	tamerism	MOS	COM
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	113.	Identif	y the correct	statement r	elated to si	ubstitution	and elimi	nation of alky	l halides:
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	Α.	Strone	n bases cause	s substitution	in	COM C. S	ubstitution	is favored mo	re than 🚅 🕬
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	114. A	ікуі на	iliaes involvi	ng -C-X bon	a preakage	2		rmation simul	Itaneously
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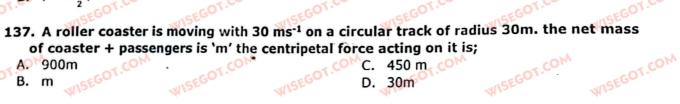
ΟW	115. C.H.O is the general for A. Ether, B. Carboxylic acid	WISEGOT.	WISEG D.	Ketones of con Carbolic acid	WISEGOT.COM	WISEGOT.COM
ΟW	due to formation of which B. Cu ₂ O	of the following	ig? C.	When warmed win AgO SEGOT COM SON	th an aldehyde	WISEGOT.COM
ΟW	117. Reaction of HCN with for A. Nucleophilic addition reaction. B. Nucleophilic substitution	tion COT.	COT.C.	Electrophilic addit		WISEGOT.COM
ΟW	A. Methanol 1-Butanol	Icohol can give	O.C.C.	action? 1-Propanol	WISEGOT.COM	WISEGOT.COM
ΟW	A. Tartaric acid B. Lactic acid B. Lactic acid	roxy propanoic	COC	. Phthalic acid	WISEGOT.COM	WISEGOT.COM
οM	A. Phenol and water are equal B. Phenol is less acidic than acid	ually acidic	C	Phenol is less ac		WISEGOT.COM
ΟW	121. When carboxylic acid ar the following is formed A. Amides B. Acyl chloride	re heated with	WISEGOT.CO.	c. Esters D. Acid Anhydride	phuric acid one	e of WISEGOT.CO
ΟW	122. Which one of the follow A. Folic acid B. Glutamic acid	ing is not an a	WISEGO!	C. Glycine C. COM D. Lysine	WISEGOT.COM	WISEGOT.COM
DW.	123. In an elastic collision th	MISEGO	HYSICS CON	MISEGOT.COM	WISEGOT.COM	WISEGOT.COM
ΟW	A. Dissipates after collision B. Increases after the collision	- A	C	Reduces after the Before and after same		the VISEGOT, COM
OM I	24. The instantaneous veloci A. Along the tangent B. Perpendicular to the slop	ity along the o	GOT.C.	is ; Parallel to the ra Anti-parallel to the		WISEGOT.COM
o™ 1	25. The range of projectile v A. Zero B. 1	will be maxim	SEGOT C.	ctor sin20 becomes 2 wiseGOT	mes WISEGOT.COM	WISEGOT.COM
	26.The two dimensional mot A. Circular motion B. Rotational motion	ion under con	WISEGOV C.	eration due to g Projectile motion Vibratory motion	I WISEGOT	WISEGO
,	27. In velocity time graph the A. Speed of an object 3. Velocity of an object	ne area under	WISE C.	qual to the: Distance covere Acceleration of		WISEGOT.COM

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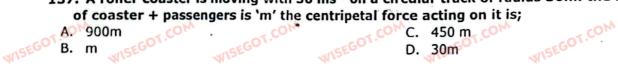


D. Acceleration of an object

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WISEGO	A.	of its: Weigi Inerti	ht cor.	co _W	ton's Law	of Mot	ion the m	c.	the object is a Speed Acceleration	quantitative	e measur	SEGOT.COM
WISEGO	B.	3.6J 3.6K	SEGOT.	COW	J?	4	WISEGOT.	D.	3.6 MJ .COM 3.6 GJ	WISEGOT.C	'MO'	SEGOT.COM
WISEGO	A. B.	Fricti Elect	onal for	ceW	owing is a	non-co		C.	Elastic spring (Gravitational f	force force	,0M	SEGOT.COM
" TSEGO	A. B.	Effor	t × dista t + dista	ance ance		oM es its n	oint of ap	OM D.	Effort – distan Effort ÷distan on by 1m in th	ce	oM of force,	the T.COM
4113°	A. B.	vork (1) 10)	done is	COM	c01.	OW	c01.	C. OM D.	0 J J	-01.C	OW	COT.COM
WISEC	A?	0.25	4 sec. \ W	motor What i	is used to	lift the er outp		MC.	through a ve	rtical distan	o ^M	OT.COM
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WISEGO	B.	a = 1	ω in craft	make:	s a turn in	a horiz gular ve	ontal circ	D. le of ra	$A = r^2 \omega^2$ adius 100 m. If craft will be	t is travellin	ow ow	se ^{GO} 1. a
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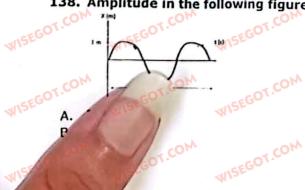
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139. Which one of the following is INCORRECT about the nodes when the string is plucked; A. Amplitude of vibration is zero Produced at the fixed ends of strings D. Distance between consecutive nodes is 1 B. Do not move along the string wavelength 140. In transverse waves the portion above the mean level is called: C. Wave trough A. Wave front D. Wave length B. Wave crest 141. Which one of the following does not cause stationary waves? C. Two waves of unequal amplitude A. Two waves of equal frequency D. Two waves travelling in opposite B. Two waves of same speed directions 142. Select the appropriate Doppler equation when source is approaching the stationary observer where fo is the observed frequency, fo is frequency of source, v is the speed of sound, vs is the speed of source relative to observer C. $f_0 = \frac{v + vs}{v} f_s$ $0. f_0 = \frac{v - vs}{v + vs} f_s$ 143. The distance between two successive particles which are exactly in the same state of vibration is called C. Wavelength A. Frequency B. Amplitude D. Time period 144. During the isothermal process, the temperature C. alters throughout the process A. remains constant during the initial phase D. increases throughout the process of the process remains constant throughout the process 145. What is the value of heat energy (Q) in an adjabatic process? C. 0 B. -1 D. +2 146. The Coulomb's law states A. Force between two point charges is C. Force between two point charges is directly proportional to the sum of the inversely proportional to the product of the square of the distance between them Force between two point characters. charges and inversely proportional to the square of the distance between them B. Force between two point charges is D. Force between two point charges is directly proportional to the product of the directly proportional to the product of the charges and inversely proportional to the charges and the square of the distance square of the distance between them between them 147. The formula V = W / qo represents C. Electric potential A. Electric intensity D. Electric field gradient B. Electric power 148. The S.I unit of capacitance of a capacitor is: C. Farad A. Coulomb D. Ampere B. Volt 149 Electric intensity between two oppositely charge plates in the middle region is C. Cannot be predicted A. Non-uniform B. Uniform D. Variable MDCAT 2024 A

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	In an ideal transf					
163.	Power input is equ	pal to Power putput	CT.COM.	Power input is o	reater than Power	OT.COM
	Power Input is les		WISEGO	output	USEGO	WISEGO
	power output		D.	Power input is r power output	nore than half of th	ie
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		A.C into D.C is call		and circuit is o	alled rectifier. W	hich GOT.CO
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	ull wave rectification one diode connection		WISEGOT.COM	Three diodes c	onnected in bridge	TVDE
* ***	arrangements	ted in anoge type		arrangement		
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166./	diode character	istic curve is a plot	between:	MISE	Alpr	MISE
	Current and time			. Voltage and co	irrent	
В.	Voltage time	OW OI.COM	COMD	. Reverse volta	urrent ge forward voltage	OT.COM
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	6.63x10 ⁻³⁴)s	ck constant is	C	. 6.63×10 ⁻³⁴ Js ⁻	1	
	6-63x1034 Js	MO MO	OMO	6.63x1034Js	MO	MOS
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168.7	he de-Broglie w	avelength associate	ed with a parti	cle moving at 1	06 m/s and hav	ring
Α.	6.6x10 ⁻¹⁰ m			1 0×10:5 m		
	6.6x10 ⁻¹⁰ m	OM ISEGOT.COM	COT.COM	2. 1.9x10 ⁻⁵ m 2. 7.2x10 ⁻⁶ m	COT.COM	COT.COM
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169.1	ight propagates	through space as a			following EXCE	PT
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		in ultra violet regi	ion?	412	412	4112
	Lyman Brachett	۸۷ مر	M	C. Pfund	- >	- 24
D.	Brachett 16EGOT.C	OM SEGOT.COM	COT.COM	D. Paschen	USEGOT.COM	USEGOT.COM
171.T	he potential thro	ough which an elec	tron should b	e accelerated	so that, on col	lision it
c	an lift the electr	on in the atom fron	n its ground s	tate to some h	igher state is k	nown ac
	Ionization potenti		7 00	C. String pot	ential	WISEGOT.COM
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172.V	Which of the follo	wing regarding X I	Rays is INCOF	RRECT		
		elength than visible	MO	C. They are hi	ghly penetrating	in soft body
-EGO	flight GOT.	egoT.CO.	agoT.Co.	tissues	-601.5	-GOT.
WIS B.	They are part of	electromagnetic	MISE	D. They are h	gh energy photo	ons
	spectrum					
173.T	he unit of decay	constant is ; COM	CT.COM	C. SEEOT. COM	CT.COM	WISEGOT.COM
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			<u>k</u>			
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WISEGOT.COM Page 17 of 19 ISEGOT. COM WISEGOT.COM T.COM 188. Choose the correct centence In 1838 Systemen suggested that all In Illate schleiden suggested that all plants were made of cells plant were made of cells WISEGOT COMME were made of tells In 1838 Schleiden suggest that all WISEGOT.COM WISEGOT.COM dP. In 1838 Schleiden suggested to M WISEGOT plants were made of cells words spoken in earnest will convince him MISEGOT COM Few WISEGO COM WISEGOT.COM WISEGOT.COM WISEGOT.CON D. FOWELEGOT.COM The few his father. Fill in the blank with appropriate preposition. 188.He takes WISEGOTICO WISEGOT.COM SN After WISEGOT.CB. Down 189.Choose the CORRECT sentence WISEGOTECONTHE best portrait painter in the town.
There's Mr. Hashim, who they say it Theres' Mr. Hashim which they say is There's mr. hashim whome they say is WISEGOT.COM the portrait painter in the town WISEGOT.CB! There's Mr. Hashim who they say is best portrait painter in the town. 190.Chaose the CORRECT sentence Gulliver's Travels was written by Gulliver travels was writen to Swift. Guffiver travels was writen at 5wift. Swift. Gullivers' travel was written by Swift D. 191.Choose the CORRECT sentence The inexamined life", said S

The inexamined life "unfit to be lived by man." "The unexamined life", said Socrates, "The unexamined life said Socrates", C. is disfit to be lived by man. The inexamined life, said Socrates, "is "The disexamined life" said Socrates is unfit to be lived by man. C. You have often heard me. Speak off my friend, wahaj waheed who have barriers. 192.Choose the CORRECT sentence of my friend Wahaj waheed a barrister WISEGOT.COM You have often heard me speak of my D. you have often heard me speak friend, Wahaj Waheed, who is a about my friend; wahaj waheed-a barrister here. WISEGOT.COM C. The first space traveller was Dennis WISEGOT. COM
Tito-from united State
D. The first 193,Choose the CORRECT sentence The first space traveller was Dennis Tito from the United States. The First Space Traveller was Dennis WISEGOT.COM D. The first space travaler was Dennis Tito, from, the United states Tito, from the United States 194.Choose the CORRECT sentence greatly good by a greatly good by It was awfully good by the was awfull good by the was aw It was greatly good by you to proposd C. It was awfully good of you to propose a day's picnic at Murree. It was awfully good by you to D. It was very good off you too proposed a day's picnic in Murree. propose days picnic in Murree LOGICAL REASONING 195. The government has increased the taxes on all businesses in Pakistan. II. Many small businesses will have to close their operations in Pakistan. Statement I is the cause and statement Both the statements I and II are WISEGOT.COM COTI is its effect com D. G Both the statements I and II are GOT. COM effects of independent causes Statement I is the cause and statement I is its effect WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM WISEGOT.COM MDCAT 2024 A

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- WISEGOT.COM 196.Read the passage and the following statements below. Then choose the correct option, basing your answer only on the information provided. Pakistan is rich in wildlife and culture. It is home to many sorts of wildlife, from the Ibex to the Indus River Dolphin; and people from most countries in the world have made their home here. STATEMENTS: I. Pakistan is a rich country. II. People from all nationalities of the world live in Pakistan. III. Pakistan is home to at least one dolphin species.
 - A. Only III is correct

C. Only Land III are correct

B. Only I and II are correct

D. Only II and III are correct

97.Observe the pattern and select the next term, in the sequence: JEQ, HEO, FEM

CONA. GEN

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C. GEL

D. DEK COM

98.Read the following and choose the correct answer: "X, Y and Z are three whole numbers SEGOT.COM divisible by 3. 7 leads divisible by 3. Z is the smallest number divisible by 11?

A. X is 13, Y is 24, Z is 110

C. X is 11, Y is 21, Z is 11

B. X is 13, Y is 21, Z is 22

D. X is 11, Y is 24, Z is 22

99.Read the following and choose the correct answer: "P, Q and R are one-digit, nonnegative numbers. P is the smallest even number. Q is the largest odd number. R is 5.

A. P + Q + R = 16

 $C.5(Q + R) \times P = 30^{-6}$

B. P + Q + R = 12

• D. $(Q + R) \times P = 8$

00.All hammers are tools. Some tools are useless things. All useless things are trash. Which of the following conclusions is NECESSARILY TRUE given only the information above? CONCLUSIONS: I. Some hammers are trash II. Some tools are trash III. All useless things are tools.

CONA. I

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