## PMC PAID PRACTICE TEST 03 SOLVED

	BIOLOGY			
Q.1	In all plants the major sites of photo	osynthesis are?		
	A. Leaf	B. Stems		
	C. Roots	D. Branches		
Q.2	The set of all genes in any population	on is termed as?		
	A. population pool	B. species pool		
	C. gene pool	D. all of these		
Q.3	Assymetrical body is a feature of pl	nylum .		
	A. Annelida	B. Arthropoda		
	C. Porifera	D. Cnidaria		
Q.4	A condition with abnormal amount of fats is called:			
	A. anorexia	B. botulism		
	C. piles	D. obesity		
Q.5	Evaporation of water from aerial p	arts of plants is called:		
	A. ascent of sap	B. deplasmolysis		
	C. deplasmolysis	D. none of these		
Q.6	The uterus of the female reproduct	ive system opens into the?		
	A. placenta	B. birth canal		
	C. cervix	D. all of these		
Q.7	The thalamus and the hypothalamu	is are located in which region of the		
	brain?			
	A. brain stem	B. cerebrum		
	C. cerebellum	D. Diencephalon		
Q.8	Which of the following structure pr	Which of the following structure provides greater pathogenicity to the		
	bacteria?			
	A. slime	B. cell wall		
	C. cell membrane	D. capsule		
Q.9	This is a reduced compound			
	A. CO <sub>2</sub>	B. O <sub>2</sub>		
	C. NADH	D. NAD+		
Q.10	Synaptic vesicles discharge which hormone at the neuromuscular junction?			
	A. acetylcholine	B. adrenaline		
	C. estradiol	D. testosterone		
Q.11	Photosystems are located in			
	A. Stroma	B. Chloroplast envelope		
	C. Thylakoid membranes	D. The intergrana		
Q.12	In enzymatic mechanism, the substrate bind to enzyme active site to			
	produce?			
	A. Reactants	B. Enzymes		
	C. Products	D. All of these		
Q.13	The frequency of allele if it is evolu-	tionary successful is?		
	A. increased	B. decreased		
	C. no change	D. none of these		
Q.14				
	A. Vector	B. Capsid		
	C. Plasmid	D. Genome		
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Q.15	Urethra and vagina nave	openings to the exterior:	
	A. common	B. independent	
	C. Both A and B	D. None of these	
Q.16	Which of the following changes	length during sarcomere contraction?	
	A. Thick filaments	B. Thin filaments	
	C. H zone	D. all of these	
Q.17	A structural component that is	found in all viruses is?	
	A. envelope	B. DNA	
	C. Capsid	D. Tail Fibers	
Q.18	Which of these is not a reflex action?		
	<ul> <li>A. Secretion of sweat</li> </ul>	B. salivation	
	C. Flexion due to needle prick	D. blinking of eyes due to strong light	
Q.19	Smooth endoplasmic reticulum is abundant in which types of cells?		
	<ul> <li>A. lipid metabolism</li> </ul>	B. protein metabolism	
	C. glucose metabolism	D. calcium metabolism	
Q.20	Cytochromes are electron trans	port intermediates containing?	
	A. myoglobin	B. heam	
	C. globulin	D. fibrin	
Q.21	When was the Tobacco mosaic	virus successfully crystalized?	
	A. 1935	B. 1930	
	C. 1932	D. 1920	
Q.22	Which of the following is false a	bout conjugation?	
	A. It forms a bridge between two bacterial cells		
	B. It involves transport of genetic material via vectors		
	C. It is a form of sexual reproduct	tion	
	D. Both A and B		
Q.23	During inspiration, the diaphragm:		
	A. Contracts	B. Relaxes	
	C. Contracts and relaxes	D. None of these	
Q.24	Glycophorin is involved in which of the following disease?		
	A. viral fever	B. common cold	
	C. asthma	D. malaria	
Q.25	Which of the following is an exa	ample of a marine annelid?	
	A. Neries	B. Stylaria	
	C. Earthworm	D. Leech	
Q.26	Two pea plants are crossed. On	e plant is homozygous dominant for purple	
	flowers, and the other is homozygous recessive for white flowers. What		
	fraction of the F2 population will have white flowers?		
	A. 1/4	B. 1/2	
	C. 1/8	D. 1/16	
Q.27	In the process of esterification (	OH is derived from?	
	A. Ether	B. Alcohol	
	C. Water	D. Both A and B	
Q.28	The enzyme which plays impor-	tant role in HIV pathogenesis	
	A. RNA polymerase I	B. DNA polymerase II	
	C. Reverse Transcriptase I	D. Reverse Transcriptase	

Q.29	A monohybrid cross yielded 3:1 in F2	. What could be mode of inheritance?		
	A. segregation	B. independent assortment		
	C. Both A and B	D. none of these		
Q.30	This group of animals has three bone	s in the ear.		
	A. Reptiles	B. Mammals		
	C. Both reptiles and mammals	D. Birds and mammals		
Q.31	What happens during muscle contrac	tion to the length of each myosin and		
	actin filament?			
	A. A band becomes short	B. I band elongates		
	C. There is no change in sarcomere	D. Z- lines get closer		
Q.32	Lymphocytes are found in:			
	A. Lymph capillary	B. Lymph vessel		
	C. Lymph trunk	D. lymph node		
Q.33				
	A. 40% of dry weight	B. 50% of dry weight		
	C. 10% of dry weight	D. 80% of dry weight		
Q.34	If the non-protien part is loosely attac	ched to the protein part in the enzyme,		
	it is known as?			
	A. coenzyme	B. prosthetic group		
	C. cofactor	D. apoenzyme		
Q.35	Enzymes for light-dependent reaction	s of photosynthesis would most likely		
	be associated with:			
	A. Outer membrane of the chloroplast			
	B. Inner membrane of the chloroplast			
	C. Stroma of the chloroplast			
	<ul> <li>D. Thylakoid membranes of the chlorop</li> </ul>	last		
Q.36	The ETC in plants consists of an elect	ron carrier called?		
	A. Pq	B. Pc		
	C. Pt	D. Po		
Q.37	The muscle contraction depends on:			
	A. Nerve impulse	B. Energy		
	C. Calcium	D. All of these		
Q.38	The cell organelles involve <mark>d, in</mark> some cases, with extra-cellular digestion			
		HH		
	A. Golgi complex	B. Lysosomes		
	C. Peroxisomes	D. Glyoxysomes		
Q.39	Which of the following genetic diseases is caused by mutations in a			
	membrane protein?	teaturance the stoom-unknown visio		
	A. Alzheimer's disease	B. Parkinson's disease		
	C. Anemia	D. Hemolytic anemia		
Q.40		Which of the following is true of both bacterial conjugation and meiosis?		
	A. Both processes produce four haploid cells			
	B. Both processes are a form of asexual reproduction			
	C. Both processes involve genetic record	nbination		
	D. None of these			
Q.41	The period during which a girl sexual	· ·		
	A. Menstrual cycle	B. Puberty		
	C. Childhood	D. Teens		

Q.42	Antibodies piay important role against microorganisms and other pathogens		
	to which type of proteins do they be		
	A. Globular	B. Functional	
	C. Fibrous	D. Both A and B	
Q.43	The animals in which there are sepa called?	rate male and female individuals are	
	A. Unisexual	B. bisexual	
044	C. Asexual	D. hermaphrodite	
Q.44	To produce ATP (adenosine triphosphate) in muscles, creatine phosphate (CP) transfers to adenosine diphosphate (ADP).		
		B. Adenosine	
	A. Oxygen	200 march 100 ma	
0.45	C. Cytosine	D. Phosphate	
Q.45	Which was the first virus to be succe		
	A. TMV C. Poliovirus	B. Smallpox	
0 1/		D. Adenovirus	
Q.46	The path of electrons through the tw		
	A. S scheme	B. X scheme	
0.47	C. Z scheme	D. Y scheme	
Q.47	The T-lymphocytes and B-lymphocy		
	A. Thymus	B. Lymph nodes	
0.40	C. Adrenal glands	D. Lymphatic vessels	
Q.48	A. It has suckers and tentacles.	a because:	
	B. It has a soft body covered by a shell.		
	C. It has a soft, unsegmented body with a thin, flexible internal shell.  D. It has a soft, segmented body with a head and a foot.		
Q.49	In reproduction, semen refers to wh		
Q.49	A. fluid and sperms	B. Blood and water	
	C. Blood and sperms	D. Blood and fluid	
Q.50	How does each photoexcited electron		
Q.50	A.ETC		
	C. photolysis	D. photosynthesis	
Q.51	Which of the following is the respira	and the state of t	
Q.JI	A. Lungs	B. Alveoli	
	C. Windpipe	D. alveolar duct	
Q.52	The patellar reflex and the Achilles		
2.02	A. Monosynaptic reflex	B. Polysynaptic reflex	
	C. Hemi Synaptic reflex	D. Both A and B	
Q.53	are among smallest kno		
Que	A. Picornavirus	B. Parvoviruses	
	C. Herpes virus	D. Rotavirus	
Q.54	Structures that were once functional		
	purpose due to evolutionary adaptations and physiological changes are		
	referred to as?		
	A. Vestigial	B. Analogous structures	
	C. Homologous structures	D. None of these	
Q.55	Complete breakdown of glucose mo		
	following?	radius actuatos Arabata (Tabintetta III) (Tabi	
	A. Alcoholic fermentation	B. Lactic acid fermentation	
	C. Aerobic respiration	D. None of these	

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Q.56	Which of the following movements are possible in pivot joint?	
	A. Flexion and extension	B. Adduction and abduction
	C. Rotation	D. Extension flexion and rotation
Q.57		
105-010-01	A. Pisces- jellyfish	B. Echinodermata- cuttlefish
	C. Mollusca- starfish	<ul> <li>D. Arthropoda- silver fish</li> </ul>
Q.58	Which of the following is incor	
	A. water potential	B. cohesion tension
	C. root pressure	D. imbibition
Q.59	Which of the following is not a	n evidence for evolution?
	A. Fossil record	B. Common ancestor organisms
	C. Vestigial structures	D. none of these
Q.60	The part of spinal cord where	
1000	A. White matter	B. Gray matter
	C. lumbar enlargement	D. cervical enlargement
Q.61	These are properties of lipids_	
	A. Insoluble in water and soluble	in fat solvent.
	B. High energy content	
	C. Structural component of cell i	nembrane
	D. All of these	
Q.62		of both mammals and reptiles are?
2.02	A. Duckbill platypus	B. Spiny anteater
	C. Wolves	D. Both A and B
Q.63		trual cycle when the level of progesterone
2.00	declines?	
	A. Ovulation	B. Menstruation
	C. Menopause	D. Fertilization
Q.64		ons is not required to be true for a population
	in Hardy-Weinberg equilibrium	
	A. Random mutations	B. Large population
	C. No natural selection	D. Random mating
Q.65		ents about the systemic affect of bacterial cells
2.00	are true?	
		ore likely to cause systemic effects because their
		s they can more quickly infect host cells.
	The state of the s	ore likely to cause systemic effects because their
	outer membrane protects them fr	
	C. Both A and B	
	D. None of these	
Q.66		non-protein group covalently bonded to a few
1994	respiratory enzymes among others?	
	A. Nicotine adenine dinucleotide	
	B. Flavin adenine dinucleotide	
	C. Nicotinamide adenine dinucle	eotide phosphate
	D. All of the above	ortae phospiline
Q.67		rt of a cell membrane which is in contact with
2.01	external and internal environn	
	A. hydrophobic	B. hydrophilic
	C. neutral	D. Both A and B
	Company of the second of the s	

Q.68	The spinal cord consist of which type of cell bodies?		
	A. sensory neuron	B. motor neuron	
	C. connector neuron	D. all of these	
	PH	YSICS	
Q.69	The oscillating object overshoots the	e rest position due to:	
~	A. Restoring force	B. Inertia	
	C. Gravitational potential energy	D. Elastic potential energy	
Q.70	.3	ween current and voltage in terms of	
•	Ohm's law		
	A. Nonlinear	B. Varying	
	C. Linear	D. None of them	
Q.71	The nucleus is made up of more neutrons than protons		
	A. H	B. O	
	e.u	D. None of these	
Q.72	/ <del></del>	tions	
93 Section 1	A. Emit	B. Absorb	
	C. Both A and B	D. Reflects	
Q.73	An electrical instrument which is us	ed to measure potential difference	
8.76	between two points is called		
	A. Barometer	B. Manometer	
	C. Galvanometer	D. Voltmeter	
0.74	The frequency of applied A.C is 2 K.Hz. Its time period will be		
7.34.00.00	A. 0.5 x 10 <sup>-3</sup> sec	B. 0.5 second	
	C. 5 sec	D. 2 sec	
Q.75	Velocity is a		
0.3500.00	A. tensor	B. vector	
	C. scalar	D. None of these	
Q.76	Effect of work is equal to		
	A. Change in total energy	B. change in kinetic energy	
	C. change in power	D. none of these	
Q.77			
	A. electric current	B. electric potential	
	C. electric energy	D. electric flux	
Q.78	Contraction of the Contraction o	sound wave is audible?	
	A. 5 Hz	B. 5000 Hz	
	C. 2500 kHz	D. 50 kHz	
Q.79	Rectifier is a device which converts		
0.8000	A. AC to DC	B. DC to AC	
	C. AC to triangular current	D. DC to triangular current	
Q.80	The value of universal gas, R, consta	ant is	
33.00	A. 8.314 J/mol×K	B. 1.38 × 10 <sup>-23</sup> J/K	
	C. 6.63 × 10 <sup>-11</sup> Nm <sup>2</sup> /kg <sup>2</sup>	D. 1.6 × 10 <sup>-19</sup> C	
Q.81	Which of the following is the same for isotopes?		
2	A. neutrons	B. protons	
	C. electrons	D. all of them	
Q.82	What is the maximum electron ener	gy in neutron beta decay?	
-	A. 783 eV	B. 783 KeV	
	C. 783 GeV	D. 783 Tev	

Q.83	Protons and neutrons are composed of smaller particles called		
	A. Quarks	B. baryons	
	C. bosons	D. photons	
Q.84	A loop of radius 1 m is placed on	a inclined of 60 degree with the magnetic	
	field of 100 T, corresponding flu	x will be	
	A. 314 wb	B. 107 wb	
	C. 157 wb	D. 435 wb	
Q.85		A stationary wave is produced in second	
	harmonic mode. What is the phase difference between the motion of the		
	particles at the end of the pipe at		
	A. 0°	B. 90 °	
	C. 180 °	D. 270 °	
Q.86	10	ope decreases from 8000 to 10000 in 60 days.	
~	The half life of isotope will be		
	A. 10 year	B. 20 years	
	C. 30 years	D. 40 years	
Q.87	Coherent source of light means	D. To Jours	
2.07	A. multiple wavelength	B. double wavelength	
	C. single wavelength	D. coherent photons	
Q.88			
Q.00	In case of spectrometer circular scale, graduated in half degree, is attached with		
	A. Telescope	B. Turntable	
	C. Cross wire of telescope	D. None of these	
Q.89	Maximum efficiency of half way		
Q.89	A. 80.6 %	B. 40.60%	
	C. 70%	D. 50%	
Q.90	Two identical gases expand	D. 50%	
Q.50	i) isothermally		
	ii) adiabatically.		
	Work done is more in		
	A. Isothermal process	B. Adiabatic process	
	C. Neither of them	D. Equal in both cases	
0.01	The source of gamma radiation		
Q.91	A. outside nucleus	B. inside nucleus	
		D. none of these	
0.02	C. electron transition		
Q.92	If a proton, alpha particle and photon moving with same velocity enter in uniform magnetic field then which particle will deflect more		
	A. proton	B. alpha particle	
0.03	C. photon	D. all of these	
Q.93	and the second of the second o	ll of water, the minimum work done in	
	taking water out	D 1000 I	
	A. 500 J	В. 1000 Ј	
	C. 5 J	D. 10 J	
Q.94	Woolen clothes keep the body wa		
	A. bad conductivity	B. good conductivity	
(34)	C. low temperature	D. none of these	
Q.95	The open-circuit test in a transfe		
	A. Copper loss	B. winding loss	
	C. Total loss	D. core loss	

Q.96	Frequency of a travelling wave is 2000 Hz. Its speed is 300m/s. What is its		
	wavelength?		
	A. 20/3 m	B. 20×3 m	
	C. 3/20 m	D. 2/3 m	
Q.97	Which statement is incorrect?		
	A. In a isobaric process ΔP=0	B. In a isochoric process ΔW=0	
	C. In a isothermal process ΔT=0	D. In a isothermal process ΔQ=0	
Q.98	The engine is supposed to work between 727 degree C and 227 degree C, then		
	maximum possible efficiency is		
	A. 1/2	B. 1/4	
	C. 3/4	D. 1	
Q.99	Correct form of ohm's law		
0.5	A. I = VR	B. V ∝ I	
	C. V = IR	D. Both B and C	
0.100		rcuit is given by I = A sin (wt) ampere, the	
	rms value of the current is:		
		n A	
	A. 2A	$B, \frac{1}{\sqrt{2}}$	
	C. 2√2 A	D. zero	
Q.101	If we are moving with constant velo	ocity frame then the inertial state is same	
	as	Service Control of the Control of th	
	A. rest frame	B. accelerating frame	
	C. non-inertial frame	D. All of these	
Q.102	An object is moving at constant spe	ed, which of the following is always true:	
	A. Distance is greater than displacement		
	B. Distance is lesser than displacement		
	C. Distance is equal to displacement		
	D. We cannot answer		
0.103	When a spring is stretched, work d	one by stretching force is	
	A. positive	B. negative	
	C. zero	D. none of these	
0.104	You have three capacitors, each of		
	combinations of the three capacitors, the resultant capacitance is 6μC?		
	A. All three capacitors in series		
	B. Two capacitors are in series, one in parallel		
	C. Two capacitors are in parallel, one in series		
	D. All three capacitors in parallel		
0.105	The use of a capacitor filter in a rectifier circuit gives satisfactory		
Quitor	performance only when the load		
	A. Current is high	B. Current is low	
	C. Voltage is high	D. Voltage is low	
O 106	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [		
Q.100	An object is displaced from point A $(0,1,1)$ m to point B $(1,4,3)$ m under a constant force $F = (\hat{i} + 2\hat{j} + 3\hat{k})$ , find the work done by this force in this process		
	A. 13 J	B. 15 J	
0.107	C. 0	D. 13 J	
Q.107	When bulb is turned on, ohm's law		
	A. Yes	B. No	
	C. partly	D. None of these	

Q.108	A wave passes through a medium, each particle of the medium performs 100	
	complete vibrations in 5 seconds. What	is the frequency of the wave:
	A. 2 Hz	B. 20 Hz
	C. 4 Hz	D. 40 Hz
Q.109	Identify the factor on which mutual inc	luctance does not depend.
	A. Relative orientation	B. Relative separation of two coils
	C. Reciprocity	D. Permeability of the core material
Q.110	What force provides the centripetal for	ce to planets moving around the sun?
	A. coulomb force	<ul> <li>B. gravitational force</li> </ul>
	C. magnetic force	D. none of these
Q.111	Electrostatic force is	
	A. Nonconservative	B. Conservative
	C. Depends on shape of charge	D. None of these
Q.112	A beam of electrons can	
	A. reflect	B. refract
	C. both	D. none of these
Q.113	A stationary wave is setup on a string of	of length 10 cm. Four loops are
	formed, what is the distance between ty	vo consecutive crests?
	A. 4.5 cm	B. 5 cm
	C. 2.5 cm	D. 1.25 cm
Q.114	A galvanometer acting as a voltmeter v	vill have a coil with
6.44.00 Pe	A. A high resistance in parallel	B. A high resistance in series
	C. A low resistance in parallel	D. A low resistance in series
Q.115	The centripetal force is zero when cent	rifugal force is
	A. equal	B. zero
	C. maximum	D. none of these
Q.116	A cyclist come to skidding stop in 10 m, the force on the cycle due to the road	
8	is 200 N and opposite to the motion. how much work does the cycle do on the	
	road	An interest of the second of t
	A. 2000 J	В2000 Ј
	C. 0	D. 200 J
0.117	100 W heater is used for 5 minutes to h	eat some water from 20C to 50C.
	What is the mass of water which is heated? Specific heat capacity of water is	
	4.2 J/gC.	(2019 - 140, ) (201 <b>)</b> (2014년 전환) 전 (2014 - 2014) (201 <b>년</b> (2014년 - 2014년 - 2014년 - 2014년 - 2014년 - 2014년 - 2014년 
	A. 4 g	B. 40 g
	C. 240 g	D. 24 g
Q.118	If the clouds of earth behaves like a black body what will happen	
	A. no light will reach on surface	
	B. extra light will reach the surface	
	C. nothing will happen	
	D. some will reflect some will absorbed	
0.119	Negative of potential gradient is equal	to:
	A. electricity intensity	B. electric flux
	C. magnetic intensity	D. magnetic flux
0.120	Mass m <sub>1</sub> has a velocity of 0m/s and mas	
	>m2. Which one has larger interior?	
	A. M <sub>2</sub>	$B. M_1$
	C. Both M <sub>1</sub> and M <sub>2</sub>	D. Not enough information
	- Contract and the second of the	

Q.121	A pendulum undergoes simple harmonic motion. The phase difference			
	between the displacement and the acceleration of the particle is:			
	A. 0	Β. π/2		
	C. π	D. $3\pi/2$		
Q.122	As mass number increases, which of th	e following does not change		
	A. mass	B. density		
	C. volume	D. binding energy		
0.123	What is the power of a bulb if it is oper			
	circuit is 1.5 Amp			
	A. 330-watt	B. 430 watt		
	C. 530-watt	D. 500 watt		
0.124	Motional emf can be produced with	D. 300 Hall		
Q.124	A. Changing magnetic field in space	B. Changing magnetic field in time		
	C. Changing flux with space	D. Constant magnetic field		
	CHEM	ISTRY		
Q.125	Standard electrode Potential is denoted	l by		
	A. E	B. E <sup>-1</sup>		
	C. E <sup>0</sup>	D. ∂		
Q.126	What is the coordination number of Pt	in [PtCl(NO2)(NH3)4]		
	A. 2	B. 4		
	C. 6	D. 7		
0.127	Limiting reactant controls the amount	of		
A. 3. 7. 7. 11	A. Reactant	B. Products		
	C. Both A & B	D. None of these		
0.128	Which of the following element is not u			
2.120	A. Carbon	B. Hydrogen		
	C. Nitrogen	D. Sulphur		
O 129		The state of the s		
Q.125	yeast is called as ?	The biochemical process used in the synthesis of alcohol in the presence of		
	A. Respiration	B. Photosynthesis		
	C. Fermentation	D. Aerobic respiration		
0 130	First member of alkynes is called as	?		
Q.130	A. Ethylene	B. Acetylene		
	C. Acetone	D. Ethene		
0 121				
Q.131	BH <sub>3</sub> has a geometry with H-B-H bone			
	A. Linear	B. Trigonal planar		
	C. Tetrahedron	D. Bent		
Q.132	Cyclic compounds consist of except?	- W		
	A. Alicyclic	B. Aromatic		
	C. Acyclic compounds	D. Carbocyclic compounds		
Q.133	Metals look shiny as light falls on metal surface collide with mobile electrons			
	and make them these electron gives			
	A. Neutral. Excited	B. Excited, de-excited		
	C. De-excited, excited	D. None of these		
Q.134	Why phenol is more acidic than Alcohol?			
	A. Due to presence of resonance in pheno	ol .		
	B. Due to absence of resonance of in alco	hol		
	C. Both A and B			
	D. Because in phenol H is attach to O			

Q.135	If pressure and volume of a gas are variable while temperature remains		
	constant, this belongs to		
	A. Charles's law	B. Boyle's law	
	C. Avogadro's law	D. Pascal's law	
Q.136	SN1 reactions are favored by which of th	e following reactions?	
	A. Water	B. Benzene	
	C. Carbon Tetrachloride	D. Carbon disulphide	
Q.137	SN <sub>1</sub> reactions have which of the followin	g specie formed and consumed in the	
	reaction?		
	A. Transition state	B. Intermediate	
	C. Carbanion	D. Carbene	
Q.138	Instantaneous rate of reaction is the rate at any		
	A. At Equilibrium	B. One instant	
	C. Given Temperature	D. Given Pressure	
Q.139	Redox Reaction are actually transfer of		
	A. Electrons	B. Charges	
	C. Energy	D. Hydrogen Ions	
Q.140	Which of the following acid solution is u	sed for the seasoning of food?	
	A. Butyric acid	B. Phthalic acid	
	C. Lactic acid	D. Acetic acid	
Q.141	Cholesteryl Benzoate turns milky at		
	A. 123°C	B. 135°C	
	C. 145°C	D. 179°C	
Q.142	In the production of wrought iron Mg Si and P are removed in the form of		
	A. Oxides	B. Silicates	
	C. Slag	D. Carbonates	
Q.143	Which one of the following benzene molecules have?		
	A. Two double bonds	<ul> <li>B. Delocalized pi-electron charge</li> </ul>	
	C. Three double bonds	D. One sigma bond	
Q.144	Carboxylic acids form dimer dur to	?	
	A. Small sizes	B. Polarity of C-O bond	
	C. H-bonding	D. Dipole-Dipole interactions	
Q.145	Activator of phosphatase enzyme is		
43 Tel. (40 tel.)	A. Mn <sup>2+</sup>	B. Mg <sup>2+</sup>	
	C, Zn <sup>2+</sup>	D. None of these	
Q.146	a liquid crystalline state exist between tw		
935000	temperature and temperature	The Control of the Co	
	A. Boiling	B. Freezing	
	C. Clearing	D. All of these	
0.147	Plasma 'the fourth state of matter was id		
33-27/103/1	A. Berzelius	B. William Crooks	
	C. Dalton	D. Rutherford	
0.148	Acetaldehyde undergoes polymerization	with conc.H2SO4 and form ?	
	A. Acetylides	B. Paraldehyde	
	C. Bakelite	D. Meta Acetaldehyde	
0.149	There are just only a few stable compou		
	A. XeF <sup>2</sup>	B. XeOF <sup>2</sup>	
	C. XeO <sup>3</sup>	D. All of these	

Q.150	Who attributed the deviation of r	eal gases from ideal behavior?	
	A. Boyle's law	B. Charles's law	
	C. Avogadro's law	D. Van der Waals	
Q.151	An electron in an atom is complet	ely described by its	
	A. 2 quantum numbers	B. Only one quantum number	
	C. Four quantum numbers	D. 3 quantum numbers	
Q.152	Enzymes are in nature.	o seed to the design of the state of the sta	
	A. Proteins	B. Carbohydrates	
	C. Lipids	D. Nucleic acid	
Q.153	The properties of liquid crystals a	re intermediate b/w crystals and	
	A. Anisotropic liquids	B. Nematic liquids	
	C. Isotropic liquids	D. Liquids	
Q.154	Fractions of Crude petroleum car	be obtained by using ?	
	A. Destructive distillation	B. Fractional distillation	
	C. Vacuum distillation	D. Distillation	
Q.155	In proteins the H bonding is prese	ent between ?	
	A. C-H	B. N-H	
	C. O-H	D. Cl-H	
0.156		e present in the carbonyl compounds?	
RESERVE	A. Electrophilic	B. Nucleophilic	
	C. Electron deficient	D. All of these	
0.157	Shifting the position of equilibrium	the state of the s	
	A. Temperature	B. Pressure	
	C. Yield of reaction	D. All of these	
Q.158	Reduction of alkyl halides in the	presence of Zn and mineral acid	
	produces ?		
	A. Alkenes	B. Alkanes	
	C. Alkynes	D. Alcohols	
Q.159	An aromatic compound that can	obtained from coal tar is	
5.00	A. Benzene	B. Toluene	
	C. Phenol	D. Diphenylmethane	
Q.160	Polymerization of ethene produce		
	A. Polyvinyl	B. Polethyl	
	C. Polyethylene	D. Polyethoxy	
Q.161	Which one of the following has po	47	
	A. Heat lost by the system		
	B. Work done on the system		
	C. Work done by the system		
	D. Positive ΔE when heat lost by th	e system	
Q.162		n a chemical reaction is Unity the rate is	
	called	frank fråde spikalend frank judenski kulter til Betier i Hende fra Lught fran ett av energi av och eft. Sie o Heldi	
	A. Unit rate constant	B. Specific rate constant	
	C. Relative rate constant	D. Average rate constant	
Q.163	Which will need maximum energy		
- 25	A. Na $\rightarrow$ Na <sup>+</sup> + e <sup>-</sup>	B. Ca →Ca <sup>++</sup> + e <sup>-</sup>	
	$C. K \rightarrow K^{++} + e^{-}$	D. $C^{2+} \rightarrow C^{3+} + e^{-}$	
Q.164	Reaction of vinyl acetylene with E	ICI produces?	
	A. Polyvinyl polymer	B. Polyvinyl Acetylene	
	C. Neoprene	D. Chloroprene	

Q.165	Carboxylic acids are formed by the hye	drolysis of?	
	A. Ester, Nitriles	B. Nitriles, amines	
	C. Alkenes, Alkynes	D. Esters, Alcohols	
Q.166	Which of the species has a permanent dipole moment?		
	A. SF <sub>4</sub>	B. SiF <sub>4</sub>	
	C. BF <sub>3</sub>	D. XeF <sub>4</sub>	
Q.167	The number of charges present on a ca	tion depends on number of electrons	
	by the atom		
	A. Gain	B. Lost	
	C. Accept	D. Produced	
Q.168	In aldol condensation, nucleophile is	?	
	A. Hydroxyl ion	B. Carbocation	
	C. Carbanion	D. Water	
Q.169	The oxidation number of Nickel in [Ni(	(CO)4] is	
	A. 2	B. 8	
	C. 6	D. 4	
Q.170	Which of the following is not a mixture	of hydrocarbons?	
	A. Candle wax	B. Kerosine oil	
	C. Paraffin oil	D. Vegetable ghee	
Q.171	Which type of carboxylic acid is produ	ced from the hydrolysis of nitriles?	
	A. Beta-hydroxy carboxylic acids		
	B. Acids having one carbon more than the starting material		
	C. Acids having one carbon less than the	starting material	
	D. Alpha-hydroxy acids		
Q.172	Dipole forces has direct relation with the	he?	
	A. Chemical properties of a substance		
	B. Kinetic properties of substance		
	C. Thermodynamic properties of substance	ce	
	D. Nature of substance	*/	
Q.173	Critical temperature of ammonia is °C		
	A. 31.14	B. 13.24	
	C. 132.44	D. 1.11	
Q.174	The alcohols which are resistant to oxid	dation reactions are	
	A. Primary alcohols	B. Secondary alcohol	
	C. Tertiary alcohol	D. All of above	
Q.175	A compound has an empirical (simple)	formula, C2H2O. If the experimental	
	molecular weight is found to be in the range 16-17, the molecular formula of		
	this compound is: (Atomic wt.: C = 12. 1, H = 1. 8, O = 16.)		
	A. C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	B. C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	
	C. C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>	D. C <sub>6</sub> H <sub>6</sub> O <sub>3</sub>	
0.176	Quantum number values for 2p orbital	' historiana attenda i ta	
	A. $n = 2, l = 1$	B. $n = 1, l = 2$	
	C. n = 1, l =0	D. $n = 2, l = 2$	
0.177	Fluorine has highest electronegativity value that is		
	A. 3.4	B. 4	
	C. 1.2	D. 2.6	
Q.178	S—S bond is present in which of the ion pairs		
	A. $S_2O_7^{2-}$ , $S_2O_3^{2-}$	B. S <sub>4</sub> O <sub>6</sub> <sup>2-</sup> , S <sub>2</sub> O <sub>7</sub> <sup>2-</sup>	
	$C. S_2 O_7^{2-}, S_2 O_8^{2-}$	D. $S_4O_6^{2-}$ , $S_2O_3^{2-}$	

Q.179	The nature of amorphous solid is		
	A. Isotropic	B. Anisotropic	
	C. Mesotrophic	D. Neotropic	
Q.180	Enzymes speed up the reaction upto	o:	
	A. 1010	B. 2010	
	C. 10 <sup>20</sup>	D. 1510	
	EN	GLISH	
Q.181	Choose the correct spelling of the w	ord	
	A. Something	B. Somthing	
	C. Sumthing	D. Sumthin	
Q.182	Choose the correct sentence.		
	A. Does your train leave before eight o'clock?		
	B. Does your train leave before eight o clock?		
	C. does your train leave before eight of	o'clock	
	D. does your train leave before eight of	o'clock?	
Q.183	Did I say anything to make you angry?		
	A. Declarative	B. Imperative	
	C. Interrogative	D. Exclamatory	
Q.184	Thank you. You've been very	through this time.	
23	A. Ideal	B. Cruel	
	C. Kind	D. Glad	
Q.185	Either my mother or my father	coming to the meeting.	
	A. is	B. are	
	C. are being	D. has	
0.186	I borrowed pencil from your p		
Q.IOU	A. a	B. an	
	C. the	D. no article	
O 187	Choose the correct sentence.		
£120,	A. He always loved sweets, chocolates, biscuits and cakes.		
	B. He always loved sweets, chocolates, biscuits and cakes.		
	C. He always loved sweets, chocolates, biscuits and cakes.		
	D. He always loved sweets, chocolates biscuits and cakes.		
O 188	unburdened	o blocard and carees.	
Q.100	A. Hindered	B. Extort	
	C. Free	D. Encumbered	
O 189	And the state of t	n interesting theme for the advertising	
Q.109	campaign.	in interesting theme for the auvertising	
	A. On	B. In	
	C. Up	D. Down	
Q.190	DECEMBER OF CHARLES		
2.270	A. Only few	B. The few	
	C. Only the few	D. Few	
Q.191	It (rain)	since last night.	
	A. Raining	B. has been raining	
	C. rains  I have already got a at a hot	D. rained tel in Murree. We shall have no problems.	
Q.192	A. Prescription	B. Property	
	C. Reserve	D. Reservation	

Q.193	Glared		
	A. Frown or blaze	B. Shine or sparkle	
	C. Grin or extinguish	D. Frown or eliminate	
Q.194	Choose the correct type of tense. "Wo		
	A. Present C. Future	B. Past D. None	
O 195	"What are you doing here?" " I		
Q.175	A. watching	B. am watching	
	C. is watching	D. watches	
0.196	Find the error?		
	A. They talked through the entire movie.		
	B. The plants in this garden does not require much water,		
	C. She always brings turkey sandwiches for lunch.		
	D. No mistakes	Tot Milen	
O 107	Either my father or my brothers	going to call the car	
Q.197	AND REPORT OF THE PERSON WITH THE PARTY OF THE PARTY OF THE PERSON WAS ASSESSED.		
	A. is	B. are	
	C. were	D. was	
Q.198	Mariam enjoys eating		
	A. a	B. an	
	C. the	D. no article	
Q.199	The students were awaiting for the a	arrival of the chief guest.	
	A. The students were	B. Awaiting for	
	C. The arrival of	D. The chief guest.	
Q.200	The sun (shine) brigh	tly.	
	A. shine	B. shined	
	C. shone	D. shining	
		REASONING	
	LOGICAL	REASONING	
Q.201	Statement:		
	I. The literacy rate in the district has been increasing for the last four years.		
	II. The district administration has conducted extensive training programme		
	for the workers involved in the literacy drive.		
	A. Statement I is the cause and statement II is its effect.		
	B. Statement II is the cause and statement I is its effect		
	C. Both the statements I and II are independent causes		
	D. Both the statements I and II are effect		
0.202	Look at this series 14, 28, 20, 40, 32, 64. What number should come next?		
V.202	A. 52	B. 56	
	C. 96	D. 128	
O 202		D. 128	
Q.203	CMM, EOO, GQQ,, KUU	D CCC	
	A. GRR	B. GSS	
	C. ISS	D. ITT	
Q.204	Statement:		
	The availability of imported fruits has increased in the indigenous market		
	and so the demand for indigenous fruits has been decreased.		
	COURSE OF ACTION:		
	I. To help the indigenous producers of fruits, the Government should impose		
	high import duty on these fruits, even if these are not of good quality.		
	II. The fruit vendors should stop selling imported fruits. So that the demand		
	for indigenous fruits would be increased.		
	A. Both of them follows	B. None of them follows	
	C. Only I follows	D. Only II follows	
		and the state of t	

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## O.205 Statement The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased. I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality. II. The fruit vendors should stop selling imported fruits. So that the demand for indigenous fruits would be increased. A. Both of them follows B. None of them follows C. Only I follow D. Only II follows Q.206 How many such pairs of letters are there in the word 'HISTORICAL' which have as many letters between them in the word as they have between them in the English alphabet? A. Four B. Seven C. Five D. Eight O.207 Statement: I. Police resorted to lathi-charge to disperse the unlawful gathering of large number of people. II. The citizens' forum called a general strike in protest against the police atrocities. A. Statement I is the cause and statement II is its effect. B. Statement II is the cause and statement I is its effect C. Both the statements I and II are independent causes D. Both the statements I and II are effects of independent causes Q.208 A book cannot exist without A. Education B. Pictures C. Pages D. Qualification Q.209 STATEMENT:

- I. There has been a decline in the prices of the personal computers.
- II. School going kids are expressing interests in learning how the computer operates.
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect.
- C. Both statements I and II are independent causes

## D. Both statements I and II are the effects of independent cause

Q.210 Discernible and Palpable have \_\_\_\_\_ number of same letter

A. 2

D. 4

C. 5

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