PMC PRACTICE TEST 04 SOLVED

BIOLOGY

	BI	OLOG1		
Q.1	At which times there is no net gaseous exchange between leaves and the			
	atmosphere?			
	A. Day	B. Night		
	C. Dawn and Dusk	D. Midnight		
2.2	Competitive inhibition can be overe			
c	A. Low concentration of substrate	B. High concentration of inhibitor		
	C. Moderate concentration of inhibito	The state of the s		
2.3	These animals show radial symmetr			
2.0	A. Chordates	B. Annelids		
	C. Cnidarian	D. Round worms		
2.4	The branch that deals with the stud			
2.4	A. Entomology	B Bacteriology		
	C. Virology	D. Epidemiology		
	Which statement is incorrect?	D. Epidemiology		
Q.5				
	A. In short day plants red light prever			
	B. In long day plants for red light pro	motes nowering		
	C. Leaf unrolling occurs in grasses			
	D. Henbane is a short-day plant			
2.6	Outbreeding increases which of the			
	A. Homozygosity	B. Heterozygosity		
	C. Gene linkage	D. Gene pool		
2.7		vous system that projects its axon outside		
	the CNS is called:			
	A. Motor nerve	B. Sensory nerve		
	C. Both A and B	D. Mixed nerve		
2.8	The neurons responsible for conver	ting various external stimuli that come		
	from the environment into correspo	onding internal stimuli is called:		
	A. Motor nerve	B. Sensory nerve		
	C. Both A and B	D. Mixed nerve		
2.9	A surfactant is essential for:			
	A. Efficient gas exchange	B. Maintaining structural integrity of alveoli		
	C. Both A and B	D. None of these		
2.10	Mating between relatives is called v	which of the following?		
Same	A. Ex breeding	B. Breeding		
	C. Inbreeding	D. Outbreeding		
2.11	In cocci, three plane division result			
2.11	A. Cuba of 8 cocci	B. Square of 4 cocci		
	C. Irregular structure	D. Triangular 6 cocci		
112		The State of the S		
Q.12				
	A. Coenzyme	B. Apoenzyme		
403 W	C. Holoenzyme	D. Proenzyme		
Q.13	Cellulose is the major component o			
	A. Primary wall	B. Secondary wall		
	C. Middle lamella	D. All of these		

Q.14	Aschelminthes is also known as which	of the following?
	A. Protozoans	B. Eumetazoa
	C. Protoctist ancestors	D. Nematodes
Q.15	Genes that affect growth rate in huma	ans influencing both weight and height
	are?	om ent Lamenmen das Differen i 1990 et 1994 et 1995 annie 1995 annie 1994 de 1995 de 1995 annie 1995 de 1995 de
	A. Codominant	B. Epistasis
	C. Polygene	D. Pleiotropy
Q.16	Example of convergent evolution is	,
	A. Forelimbs of man and bat	 B. Wings of birds and insects
	C. Darwin's finches	D. All of above
Q.17	Final acceptor of electrons in respirate	ory chain is?
1.	A. NADH	B. Cytochrome a3
	C. Water	D. Oxygen
Q.18	The internal buds are known as which	5 C C C C C C C C C C C C C C C C C C C
	A. Spicules	B. Choanocytes
	C. Gemmules	D. Both A and B
Q.19	Darwins theory mainly focuses on	The state of the s
Q.13	A. Origin of life	B. How organs extinct
	C. How new species arise	D. How organisms form
Q.20	Which of the following bacteria posses	100000000000000000000000000000000000000
Q.20	A. Bacillus anthracis	B. Escherichia coli
		D. Staphylococcus aureus
0.21	C. Spirillum minus The spent energy in the form of ADP is	
Q.21	which of the following form?	is regenerated by mitochondria into
	A. AMP	0.000
		B. ATP
0.22	C. ADP	D. All of these
Q.22		v infection?
	A. A type of lymphocytes	
	B. Present in blood and work as defence	system
	C. They kill the foreign invader	
-	D. All of these	
Q.23		
	A. Voluntary action	B. Involuntary action
	C. Saltatory conduction	D. None of these
Q.24	When was the bacterlophage phenome	The state of the s
	A. 1918	B. 1917
10000	C. 1920	D. 1990
Q.25	For respiratory metabolism, bacterial	
	A. Proteins	B. Lipids
	C. Enzymes	D. Chemicals
Q.26	Most carbon dioxide is transported in	the form of:
	A. Carboxyhemoglobin	B. Plasma proteins
	C. Bicarbonate ions	D. In dissolved form
Q.27	During which of the following levels of	f biological organization can natural
	selection occur?	
	A. Gene	B. Individual
	C. Group	D. All of these
Q.28	Flame cells in Planaria constitute the:	
	A. Digestive system	B. Reproductive system
	C. Respiratory system	D. Excretory system

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Q.29	Fluid secreted by sertoli cell	s provides sperms with which of the following?
	A. Liquid medium	B. Protection
	C. Nourishment	D. All of these
Q.30	The structure of which bact	eriophage resembles a tadpole?
	A. T2	B. T4
	C. Both	D. None
Q.31	The movement of minerals	or water via extracellular pathway is known as:
	A. Symplast	B. Apoplast
	C. Vascular	D. None of these
Q.32	Which one of the following	is not a feature of the nervous system of Planaria?
8	A. Nuerons are differentiated	into sensory, motor and associative neurons.
	B. Nerves are present.	
	C. No specialized sensory org	ans are present.
	D. All of the above.	
Q.33	The researcher notices that	round seeds occurraturally in the environment.
	Based solely on this informa	ation, what can the researcher conclude about the
	round phenotype?	
	A. It is dominant	B. It is recessive
	C. It is wild type	D. Both a and b
Q.34	What molecule would you n	ot expect to find in a retrovirus?
	A. Adenine	B. Thymine
	C. Uracil	D. Guanine
Q.35	Ribose is a monosaccharide	constituent of many
	A. Enzymes	B. Coenzymes
	C. Vitamins	D. Antibiotics
Q.36	The retinal is important for	THE RESIDENCE OF THE PARTY OF T
	A. Vision	B. Metabolism
	C. Muscle contraction	D. Muscle twitch
Q.37	An entire skeletal muscle is	surrounded by
	A. Sarcolemma	B. Epimysium
	C. Both A and B	D. Microtubules
Q.38	Which of the following best	
	A. Covalently bonded non-pro	A STATE OF THE STA
	B. Cofactor consists of metal	
	C. Loosely bonded non-protein	in part of an enzyme
0.20	D. Both A and B	
Q.39		nere is seen, each myosin is surrounded by how
	many actin molecules?	
	A. 5	B. 6
0.40	C. 7	D. 8
Q.40	How is pyruvate produced i A. Alcoholic fermentation	
		B. Lactic acid fermentation
0.41	C. Respiration The stretch reflex is also known	D. Both A and B
Q.41	A. Stretch reflex	
		B. Spinal reflex D. Myotatic reflex
Q.42	C. Golgi tendon reflex The process that secretes in:	
Q.42	A. Endocytosis	B. Pinocytosis
	C. Phagocytosis	D. Exocytosis
	C. I magocytosis	D. Exocytosis

Q.43	Which cells produce oogonia in ovary?	
	A. Stromal cells	B. Epithelial cells
	C. Germ cells	D. Theca cells
Q.44	Study of fossils is called	-
	A. Mammalogy	B. Palaeontology
	C. Herpetology	D. Ornithology
Q.45	During birth which of following act as bir	rth canal?
	A. Oviduct	B. Ovary
	C. Uterus	D. Vagina
Q.46	Which part of the brain connects the cere	brum with the spinal cord?
	A. Forebrain	B. Cerebrum
	C. Cerebellum	D. Brainstem
Q.47	Which of the following are believed to ha	ve common origin with annelids?
	A. Nematodes	B. Arthropods
	C. Molluscs	D. None of these
Q.48	Which statement is incorrect about Lock	and Key Model?
	A. Specific enzyme can transform only a sp	ecific substrate
	B. Active site of an enzyme is a non-flexible	e structure
	C. Active site does not change before during	g or even after the reaction
	 It explains the mechanism of every chem 	ical reaction
Q.49	Another name for the sex cell is:	
	A. Hormone	B. Gamete
	C. Zygote	D. Testicle
Q.50	The cluster of pouches opened from alved	
	A. Bronchi	B. Bronchioles
	C. Pharynx duct	D. Alveoli
Q.51	The water splitting step of photosynthesis	
	A. Hydrolysis	B. Chemiosmosis
	C. Photolysis	D. Photosynthesis
Q.52	A chromosome in which a centromere sta	A Part of the control
	A. Metacentric	B. Telocentric
0.53	C. Acrocentric	D. All of these
Q.53	Which of these is the best treatment for o	
	A. Bed rest	B. Exercise D. None of these
0.54	C. Cast Which of the following elements are not f	
Q.54	A. C	B. H
	C.N	D. O
0.55		
Q.55	The type of bronchitis that causes no per- lasts for two weeks is known as	manent damage to the lungs and
	A. Acute bronchitis	B. Chronic bronchitis
	C. Coastal bronchitis	D. Intercostal bronchitis
Q.56	Which of the following is not a viral disea	
Q.50	A. Smallpox	B. Mumps
	C. Tetanus	D. Cowpox
Q.57	Secondary oocyte is ovulated from:	D. Compan
Sec. 1	A. Corpus luteum	B. Graafian follicle
	C. Primary follicle	D. Germinal epithelium
	C. Primary fornicle	D. Octimini chimenani

Q.58 According to the law of independent assortment, what is the possible number of combinations that chromosomes can assort to independently in the gamete? A. 16,777,216 B. 2.048 C. 4,194,304 D. 8,388,608 Q.59 The last common ancestor of humans is known to be which of the following? A. Homo neanderthalensis B. Lemuroidea C. Dromaeosaurus D. Pan troglodytes Q.60 Which of the following statements correctly describes how the host cell membrane is changed by viral replication? B. Glycocalyx layer is formed. A. Pores develop. C. Membrane is resynthesized D. Viral proteins are acquired. Q.61 Which of the following is a compensation point? A. Leaves respire and utilize O₂ and release CO₂. B. Photosynthesis and respiration occur at same rate. So there is not net exchange of gases between atmosphere and plants. C. Rate of photosynthesis increases, so do the O2 production, with a net release of oxygen coupled with the uptake of COM D. Rate of respiration becomes more than rate of photosynthesis. 16 Net yield of H2O in Photosynthesis is Q.62 Which of the following is not a sterilization method for the control of bacteria? A. Radiation B. Filtration D. Antiseptics. C. High temperature Q.63 Which hormone is produced mainly by corpus luteum in the ovary following ovulation? . A. Progesterone B. FSH D. Chorionic gonadotrophic hormone C. LH Q.64 According to the induced fit model, what happens when an enzyme-substrate complex is formed? A. The contact between the substrate and the enzyme causes a change in the shape of the active site. B. The shape of the substrate and the shape of the active site are complementary to each other. C. The substrate fits into the active site and forms bonds with the amino acids at the active site. D. All of the above. Q.65 How are flat worms not similar to round worms? A. They are both acoelomates B. They are both triploblastic. C. They both show bilateral symmetry. D. They are both worms. Q.66 Which type of sensory structures carrying the touch sensations are present in papillae extending into ridges of the fingertips? A. Hair end organs B. Pacinian corpuscles. C. Meissner's Corpuscles D. All of these Q.67 The animals which belong to division Radiata is/are? A. Triploblastic B. Diploblastic D. All of these C. Radioblast Q.68 Enzymes are globular proteins because: They have a primary structure. B. They have a secondary structure. C. They have a tertiary structure. D. All of the above.

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CHEMISTRY

Q.69	Carbon dioxide is an Example of	
	A. Ionic Solid	B. Metallic Solid
	C. Molecular Solid	D. Covalent Solid
Q.70	Which one of the following is an electronic	rophile?
	A. Br ⁺	B. CH ₄
	C. NH ₃	D. H ₂ O
Q.71	Glycerol can also be termed as	
	A. 1 – butanol	B. 1, 2, 3 - propanetriol
	C. 2 - methyl - propanol	D. Isobutyl alcohol
Q.72	Isopentane is an example of	
	A. Aromatic compounds	 B. Branched chain compound
	C. Alicyclic compounds	D. None of these
Q.73	The unit used to express the relative a	tomic mass is called
	A. Gram unit	B. Avogadro's number
	C. Atomic mass	D. Atomic mass unit
Q.74	The specific site at which substrate is	attached on the enzyme and converted
	into product is called as?	
	A. Reaction site	B. Active site
	C. Binding site	D. None of these
Q.75	Metallic character depends on	_?
	A. Electron Affinity	B. Ionization energy
	C. Electronegativity	D. All of these
Q.76	Which of the following method is used	
	A. Distillation	B. Fermentation
	C. Dehydration	D. Ozonolysis
Q.77		
	A. DNA	B. Proteins
0.70	C. Carbohydrates	D. Lipids
Q.78	What is the nature of Carbon present	The state of the s
	A. Nucleophilie C. Neutral	B. Electrophilic
0.70	C. Neutral	D. All of these
Q.79		
	A. Producing Electrons	B. Circuit Completion
0.80	C. Increasing speed of electrons	D. All of these
Q.80	According to Bohr, the orbits in which	n electrons revolve around the nucleus
	are A. Oval	B. Elliptical
	C. Cylindrical	D. Circular
Q.81		D. Chediai
Q.01	A. Weak	B. Strong
	C. Unstable	D. None of these
0.82	In balancing it is very important to id	
2.02	A. Physical state is changed	B. Oxidation number is changed
	C. Enthalpy is changed	D. All of these
Q.83		
2000	A. Amide	B. Carbonic acid
	C. Ketone	D. Aldehyde

Q.84	The electron affinity of fluorine is les	s than chlorine as we move down the
	group, this deviation in behavior is d	ue to its
	A. Small size	B. Seven electron
	C. Thick electronic cloud	D. All of these
Q.85	The general name of ore CaSO ₄ . H ₂ O	The state of the s
	A. Gypsum	B. Dolomite
	C. Calcite	D. Plaster of Paris
Q.86		
2.00	A. [Ar] ⁴ s ² 3d ⁴	B. [Ar] 4s ² 3d ⁴
	C. [Ar] ⁴ s 3d ⁵	D. [Ar]4s13d5
0 07		5. (4.) 5.54
Q.87	an is	52/58/67 10 Tay Full 187 TV V
	A. Number of reactant molecules	B. Number of moles of reactants
	C. Number of moles of products	D. Order of Reactions
Q.88	그 마음이 살아 있다면 모든 가지 않는데 하면 되었다면서 되었다면 하는데	PRODUCE SERVICE SERVIC
	A. Dehydration	B. Polymerization
	C. Condensation	D. Oxidation reaction
Q.89	If two substituents are present at 1,4	positions then the isomer is called
	as?	
	A. Ortho	B. Meta
	C. Para	D. None of these
Q.90	Which of the following properties bel	long to acetic acid?
	 A. Colourless liquid, odourless, sour tas 	ste
	B. Bright colour bitter taste	
	C. Colourless solid, sour taste, pungent	smell
	D. All are incorrect	
Q.91	The half-life of Uranium is	
	A. 700 Million years	B. 706 Million years
	C. 89 days	D. 710 million year
Q.92	Change in Pressure will only affect th	ne substances which are in
1.5	A. Liquid state	B. Solid State
	C. Plasma state	D. Gaseous State
Q.93	The ionization energy of groupsho	Colonia de la Carta de Carta d
	A. 3A & 4A	B. 5A & 6A
	C. 6A & 4A	D. 3A & 6A
0.94	Which of the following is a strong aci	
*******	A. Ethane	B. Ethyl Chloride
	C. Ethanol	D. Phenol
0.95	Wholar first time prepare urea in lab	V
	A. 1900	B. 1829
	C. 1850	D. 1828
Q.96		
2.70	A. Activation Energy	B. Internal energy change
	C. Entropy	D. Enthalpy
Q.97		The state of the s
2.71	A188.1	B. 188.1
	C. 184.4	D. 184.4
O 00		
Q.98		caroon in moving from substart to
	transition state changes from?	D on to on?
	A. Sp ² to sp ³	B. sp to sp ²
	C. sp³ to sp²	D. sp to sp ³
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Q.99	Which forces are very significant in non	-polar molecules like Cl2, H2 and
	noble gases?	
	A. Dipole-dipole	B. Induced dipole
	C. London	D. Spontaneous induced dipole
Q.100	Which of the following is typical transit	ion element?
	A. Zn	B. Cd
	C. Cu	D. Hg
Q.101	Strong acid can be involved in a spontar	neous reaction which is termed as
	A. Addition Reaction	B. Substitution Reaction
	C. Neutralization Reaction	D. Reversible Reaction
Q.102	In electrochemical series reduction pote	ntial relates to only
	A. Real Conditions	B. Standard Conditions
	C. Positive Values	D. Negative Values
0.103	Left-handed helix in proteins secondary	Section 1 to the second to the control of the section of the secti
	A. Alpha helix	B. Beta helix
	C. Spiral	D. Concentrate
0.104	The maximum number of electrons acco	
	is calculated by formula	
	A. n ²	B. 2a ²
	C. 2n	D. 3n
Q.105	Ethane is obtained by electrolyzing	
20.00 miles	A. Potassium formate	B. Potassium succinate
	C. Potassium acetate	D. Potassium fumarate
Q.106	PV/nRT for an ideal gas is called	
	A. Expansion factor	B. Depression factor
	C. Compressibility factor	D. Diffusion factor
Q.107	I is an example of?	
	A. Electrophile B. N	ucleophile
	C. Leaving group D. B	oth nucleophile and leaving group
Q.108	Temperature and volume in an experim	ent are part of
	A Surroundings	B. System
	C. State of a system	D. All of these
Q.109	What is the mass of one mole aspartame	e having formula C14H18N2O5?
	A. 4g	B. 40g
	C. 50g	D. 1g
Q.110	Which of the following compound is an	amide?
	A. NH ₄ CNO	B. NH₂COCH₃
	C. NH:CONH:	D, NH ₂ COONH ₂
Q.111	Evaporation is aprocess?	9
	A. Exothermic	B. Spontaneous
	C. Non-Spontaneous	D. None of these
Q.112	If uncertainty in momentum of electron	is zero, the uncertainty in its position
	would be?	
	A. Less than zero	B. More than zero
	C. One	D. Infinite
Q.113	From which of the following ketone can	5 5
	A. Propyne	B. Secondary alcohol
	C. Ca Acetate	D. All of these

Q.114	On which of the following factors Hyd	ration Energy depend?
	A. Charge to size ratio	B. Polarizability of anions
	C. Polarization power of Cations	D. All of these
Q.115	The crude petroleum is separated in fo	raction by
	A. Filtration	B. Fractional distillation
	C. Steam distillation	D. Fractional sublimation
Q.116	Distillation of calcium acetate and calc	cium formate produces?
	A. Formaldehyde	B. Acetaldehyde
	C. Acetone	D. None of these
Q.117	After the hydrolysis of ester the chang	e in concentration of acid at different
7	intervals is calculated by	
	A. Titration with KMnO ₄	B. Titration with Standard Alkali
	C. Distillation	D. Evaporation of mixture
0.118	Most of the enzyme reactions are	?
	A. Reversible	B. Irreversible
	C. Condensation	D. Oxidation
0.119	Caustic Soda is made by electrolysis o	
Q.11.	A. Nelson's Cell	B. Hg - Cell
	C. Castner Kellner Cell	D. All of these
O 120	Which of the following has six isotope	
Q.120	A. Palladium	B. Tirr
	C. Cadmium	D. Carbon
0.121	K2 (Cu(CN)4) which one is correct	The second
Q.121	A. Potassium tetra cyano recuperate	
	B. Coordination number is 2	
	C. The ligand is positively charged	
	D. Central atom is present in the avionic	sphere
0 122	An orbital can accommodate at the me	
V.122	A 2	B. 14
	TI O	D. 6
0 123	Which of the following is succinic acid	A STATE OF THE STA
Q.120	A. Ethanoic acid	B. Hexanedioic acid
	C. Butanedioic acid	D. Propanoic acid
0 124	Ethyne has which hybridization?	D. Fropanoie acid
Q.124	A. sp ³	B. sp ²
	C. sp	D. sp ² d
	PHY	SICS
Q.125	SI Unit of current is?	_
	A. Ampere	B. Volt
	C. Joules	D. Watt
Q.126	When a force is parallel to the direction	on of motion of body, the work done is
	A. Zero	B. Minimum
	C. Infinity	D. Maximum
Q.127	Which unit is used in the measuremen	A CALLED TO THE PARTY OF THE PA
Market C	A. m	B. m/s
	C. 1/s	D. N
Q.128	Which is not radioactive?	LOSEANS.
	A. Ozone	B. Hydrogen
	C. Sodium	D. All of these

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	A. P=I ² R	B. P=I ² R/2
	C. P=IR	D. All of them
Q.130	A closed container contains an ideal gas.	Which of the following changes will
	result in decrease in temperature?	and the first of the state of t
	A. Volume = decrease temperature = decrea	se
	B. Volume = decrease temperature = increas	
	C. Volume = increase temperature = decrea	
	D. Volume = increase temperature = increas	
0.131	In a stationary wave, the distance between	
	Α. λ	Β. 2λ
	C. \(\lambda/2\)	D. λ/4
0.132	In stretched string the frequency of vibra	tion is given by f=1/2L√F/m. In this
	equation m has dimension	
	A. ML-2	■ B. ML-1
	C. M	D. ML
0.133	Magnetic flux is a	D. M.E.
Q.155	A. Scalar quantity	B. Vector quantity
	C. Sometimes scalar sometimes vector	D. None of these
0.134	"The heat required to raise the temperate	
Q.134		are of one mote of the substance
	through 1 K" is called:	D ACT by the state of the
	A. Specific latent heat	B. Molar heat capacity
0 115	C. Molar specific heat	D. Specific heat capacity
Q.135	A particle is performing uniform circular	
	A. Velocity	B. Acceleration
	C. Position	D.Momentum
Q.136	First law of thermodynamics is a special	
	A. Newton's law	B. Charles's law
	C. Conservation of energy	D. Conservation of entropy
Q.137	Acceleration in the Simple pendulum is a	
	A. Inversely proportional	B. Directly proportional
527 000	C. Acting negative	D. Independent
Q.138	The nucleus shape is considered to be	
	A. Square	B. Rectangle
	C. Sphere	D. Circular
Q.139	Peak voltage in the output of full wave re	ctifier is 10V so dc component of
	output voltage is	
	A. $10\sqrt{2}$	B. $20/\sqrt{2}$
	C. 20/π	D. 20π
Q.140	When a standing wave is set up in a pipe	which is open from one end, which
	of the following statements is true?	
	A. Sum of the number of antinodes and the	number of nodes is always even
	B. Wavelength = length string / number of r	7.
	C. The shape of the string at any instant sho	
	the string	
	D. Frequency = number of nodes × fundame	ental frequency
0.141	The angular momentum of photon is	7.0000 Title.₩1.0000€.
	A. Infinite	B. Zero
	C. Negative	D. Still not found

Q.129 What is the relationship between Power, Current and Resistance?

Q.142 Three charges + 3q + q and Q are placed on a straight line with equal separation. In order to make the net force on q to be zero, the value of Q will be A. 3q B. 2q D. 5q C. 4q Q.143 The flux is the region where magnetic field A. Changes direction B. Changes strength C. Changes polarity D. No change occur Q.144 In mass-spring system, which of the following does not depend on the initial displacement of the spring? A. Maximum kinetic energy of the mass B. Average speed of the mass C. Total energy of the mass D. Angular frequency of the oscillation Q.145 Current that fluctuates periodically with time is A. DC current B. BC current C. AC current D. Magnetic current Q.146 A circuit that adds positive or negative dc voltage to an input sine wave is A. Clamper B. Chipper C. Diode clamp D. Limiter Q.147 Why x-rays are used in crystaflography A. To prevent interference B. To prevent diffraction C. To perform interference D. To perform diffraction Q.148 Which of the following can have negative temperature coefficient? B. Liquid metals A. Compounds of silver D. Electrolytes C. Metallic alloys Q.149 In adiabatic expansion A. AU=0 B. ΔU= negative C. AU = positive D. AW=0 Q.150 Bones image is shown on x-ray photograph because x-rays can be A. Transmitted through bones B. Reflected by bones C. Absorbed by bones D. Scattered by bones Q.151 The output voltage of a rectifier is B. Pulsating A. Smooth C. Perfectly direct D. Alternating Q.152 Which isotope has highest momentum when moving with same velocity A. Protium B. Deuterium C. Tritium D. All of these have same momentum Q.153 If two photons interact in same direction what will change A. Mass B. Energy C. Intensity D. None of these Q.154 Why should a resistance be introduced in a circuit in series deliberately? A. To increase current B. To decrease current C. To control current D. Just to give a good look to the circuit Q.155 The value of permittivity of material, other than air or space is:... A. Greater than unity B. Less than unity C. Equal to unity D. Zero Q.156 When an object moves on a circular path, then: A. Its displacement is constant B. Its displacement changes due to change in distance

	C. Its displacement changes due to change i	n direction of motion			
	D. Its displacement is always zero				
Q.157	Acceleration of a moving car when brake	es are applied is			
	A. Negative	B. Zero			
	C. Positive	D. Infinite			
0.158	The clouds are formed when water h	eat			
	A. Absorb	B. Release			
	C. First absorb than release	D. First release than absorb			
0.159	If velocity of charged particle and magne	tic field are at a fix angle not 90			
	then path will be				
	A. Circular	B. Straight line			
	C. Spherical	D. Helical			
0.160	All of the following are equivalent to wat				
	A. (Amperes) ² ohm	B. Joules/sec			
	C. Amperes × volts	D. Amperes/volt			
0.161	Which of the following phenomenon pro-				
	waves?				
	A. Polarization	B. Refraction			
	C. Interference	D. Diffraction			
162	The frequency of the incident photon after				
2.102	A. Remain constant	B. Increases			
	C. Decreases	D. None of these			
163	When the direction of the force and displ				
Q.103	A. Negative	B. Positive			
	C. Zero	D. None of these			
164	An angular velocity of 60 revolutions per	- Construction of the second o			
Q.104	An angular velocity of 60 revolutions per A. $1/2\pi$ rad/s	B. 120π rad/s			
0 1/5	C. 30/n rad/s	D. 2π rad/s			
Q.105	A transformer steps down from 200V to 50 V. It has secondary winding = 40				
	turns, then windings in primary coil are	The state of the s			
	A 150	B. 160			
	C. 170	D. 200			
2.166	For which angle between area and magn				
	A. 0 degree	B. 90 degree			
	C. 45 degree	D. 60 degree			
2.167	Mutual inductance has a practical role in	547 C C C C C C C C.			
	A. AC generator	B. Radio choke			
	C. DC generator	D. Transformer			
Q.168	As a result of interference, energy				
	A. Is transmitted and reflected	B. Is lost			
	 C. Remains unchanged as a whole but is redistributed 				
	D. Is gained				
Q.169	If a wheel of radius r turns through an angle of 30°, then the distance				
	through which any point on its rim move	s is?			
	A. π/3r	B. πr/6			
	C. π/30r	D. π/180r			
2.170	The phase angle between two points in a	medium is $\frac{3\pi}{4}$. If the distance			
	between these points is 20 cm, then wave				
	A. 8/15 m	B. 15/8 m			
	C. 8/15 cm	D. 15/8 cm			
	C. O. L. CHI	12. 12/0 0111			

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Q.171	If an A.C voltage rms value of 10 volt is applied as input of half wave			
	rectifier, then the rms voltage value of D.C output will be			
	A. 10V	B. 10.3V		
	C. 10.7V	D. 9.3V		
Q.172	A wire has a resistance of 5.5 $\boldsymbol{\Omega}$	at 19oC and 21.5 Ω at 200oC. Find the		
	temperature coefficient of resist	ivity(α) of the material.		
	A. 0.016 per degree Celsius	B. 32 per degree celsius		
	C. 0.018 per degree Celsius	D. 0.00106 per degree Celsius		
Q.173	are such nuclei of an elen	ent that have the same mass number A, but		
	have different charge number Z			
	A. Isotopes	B. Isobars		
	C. Isomers	D. Isotherms		
Q.174	Vector is quantity which			
	A. Has direction	B. Has magnitude		
	 C. Follow rules of vector addition 	 D. Both direction and magnitude 		
Q.175	Half wave voltage multiplier can	n provide any degree of voltage multiplication		
	by cascading diodes and capacit	ors.		
	A. Any doubler	B. Any tripler		
	C. Any multiplication	D. None of them		
Q.176	A particle having the charge of	20 electrons on its falls through a potential		
	difference of 100 volts.Calculate	the energy acquired by it in electron volt		
	(eV).			
	A. 2.0 x 10 ⁻² Ev	B. $2.0 \times 10^{-3} \text{ eV}$		
	C. 2.0 x 10 ² eV	D. $2.0 \times 10^3 \text{ eV}$		
Q.177	An ideal gas at 15.5C and a pre-	ssure of 1.72 x 105 Pa occupies a volume of		
	2.81 m3. How many moles of gas	s are present?		
	A. 2.01 mol	B. 21 mol		
	C. 201 mol	D. 2001 mol		
Q.178	Is it possible to separate north p	ole only from bar magnet?		
	A. Yes	B. No		
	C. In some cases it is possible	D. None of these		
Q.179		lf-life of 5 days. In 15 days the probability of		
	decay in percentage will be			
	A. 67 %	B. 87.5 %		
	C. 82.5 %	D. 77 %		
Q.180	The ratio of mass of electron to			
	A. 1	B. 1200		
	C. 1300	D. None of these		
	3	ENGLISH		
O 181	Choose the correct spelling of th			
Q.101	A. Arround	B. Arond		
	C. Arund	D. Around		
O 182		ecious metal.		
Q.102	A. a	B. an		
	C. the	D. no article		
0.183	What is your name?	D. no article		
Q.103	A. Declarative	B. Imperative		
	C. Interrogative	D. Exclamatory		
	C. Interrogative	D. Exclamatory		

-	Choose the	correct senten	ce.		
		n dubai, the Un			
	B. Ali lives i	in dubai, the un	ited arab emira	ites.	
		in Dubai, in the	The Victorian Control of the Printer	Carlo	
	D. Ali lives	in Dubai, the U	nited Arab Em	irates.	
Q.185	One bad exa	am result and	all her dream	s were	
	A. fled			B. Shattered	
	C. Fulfilled			D. Floating	
2.186	Bilal		(live) with hi	s brother.	
	A. lives			B. is living	
	C. has lived			D. had lived	
Q.187	Identify the	tense used in	the given sent	ence. "Everyone sh	all be reaching b
	tomorrow."	E			
	A. Present			B. Past	
	C. Future			D. None	
2.188	Now the tim	ie was to escap	oe and <u>he open</u>	ed the window an	d jumped out.
	A	В		C	D
	A. Now the	time was		B. to escape	
		ened the windo	ow /	D. and jumped o	ut
.189	I have two s	isters.	1		
	 A. Declarativ 	ve	41	B. Imperative	
	C. Interrogat	tive		D. Exclamatory	
).190	Each and ev	ery member	to	vote.	
	A. has			B. have	~
	C. having			D. are	
2.191	Dunce A		N IT		
	A. Block hea	ided		B. Smart	
	C. Wise	11		D. Agile	
2.192	Lhaye	3		1/	
	A. I've			B. Ive	
	C. I'hve			D. Ih've	
2.193	Choose the	correct spellin	g of the word		
	A. Discribe		ועו	B. Deskribe	
	C. Describe			D. Diskribe	
2.194	One of the s	tudents said,	professo	or is late today."	
	A. A.			B. An	
	C. The			D. no article	
.195	His bag was	quite	so I easily car	ried it to his room.	0
	A. Cheap			B. Heavy	
	C. Light			D. Short	
0.196	I advised he	r drink	it.	6 <u></u>	
	A. Don't			B. not to	
	C. to not			D. to don't	
.197	As an office	r he not only v	vas competent	but also honest.	
	A	В	C	D	
	A. As an off	icer		B. he not only w	as
	C. competen	t but		D. also honest.	
		about	man who	lives on	small island.
	The book is	about			
Q.198	The book is A. a an	about		B. aa	

Q.199	Sam in the garden now.		
	A. digs		B. digging
	C. is diging		D. is digging
020222	**************************************		
Q.200			ees, rains will soon wash the fertile
		ope to end as useless si	
	A. Deforested		B. Afforested
	C. Stripped		D. Shortage
	LOGICAL REASONING		
Q.201	Statements:		
	All film stars are p	layback singers. All fil	m directors are film stars.
	Conclusions:		
		are playback singers.	
	II. Some film stars		
	A. Only conclusion		B. Either I or II follows
	C. Neither I nor II fo		D. Both I and II follow
0.202	Fact1: All drink m		
Q.202			
Fact 2: All beverages are drinkable Fact 3: All beverages are red			
	If the above three statements are facts than which of the following stat		
	will also be a fact	tatements are facts to	an winear of the following statement
	I. Some drink mixe	r area mad	
	II. All beverages at		
	III. All red drink n	The second secon	
	Annual Control of the	ittes are unimeable	B. II only
	A. I only C. III only		D. None of them is a fact
0.202	Statement:		D. None of them is a fact
Q.203			Air the feditions were bet
	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 imposs 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 foll		All the second s
			B. None of them follows
0.204	C. Only I follows	(6)	D. Only II follows
Q.204	The Management of School M has decided to give free breakfast from next academic year to all the students in its primary section through its canteen even though they will not get any government grant. Courses of Action (I) The school will have to admit many poor students who will seek admissio for the next academic year. (II) The canteen facilities and utensils have to be checked and new purchases to be made to equip it properly. (III) Funds will have to be raised to support the scheme for years to come.		
	A. Only II and III fo	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	B. Only III and I follow
	C. Only I and II follo	ow	D. Only I follows

O.205 Statement:

- I. Majority of the citizens in the locality belongs to higher income group.
- II. The sales in the local supermarket are comparatively much higher than in other localities.

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.206 What should come next to it infirmary

A. surgery B. disease
C. patient D. receptionist

Q.207 What should come next to save, secure, protect,

A. Guard B. Lock
C. Conserve D. Humble

O.208 Directions:

In each of the following questions a statement is given, followed by two conclusions.

Give answer:

Statement: "Please do not wait for me, I may be late, start taking lunch as soon as the guests arrive." - A message from a Director of a Company to his office managers.

Assumptions:

- I. Keeping guests waiting is not desirable.
- II. Lunch may not be ready in time.

A. Only assumption I is implicit

B. Only assumption II is implicit

C. Either I or II is implicit D. Both A and B

Q.209 Statements:

- I. Large number of Primary Schools in the rural areas is run by only one teacher.
- H. There has been a huge dropout from the primary schools in rural areas.

A. statement I is the cause then 2 is its effect

- B. statement 2 is the cause then 1 is its effect.
- C. Both statements are independent causes
- D. Both of the statements are effect of independent causes
- Q.210 Complete the series A2.5, B5, C7.5, ____?

A. D9 C. D9.5 D. D45

FOR complete PMC PAID PRACTICE TESTS VISIT SKN PAGE