# PMC PAID PRACTICE TEST 02

## CHEMISTRY

Q.1	Suppression of ionization means		
	A. Decreasing Ionization	B. Increasing Ioniz	ation
	C. Maintaining Ionization	D. None of these	
Q.2	an element or its compound is first	to get its	_ spectrum by
	spectrometer		
	A. freezed, continuous	B. freezed, line	
	C. volatilized, line	D. volatilized, cont	inuous
Q.3	is a macromolecule found in blood	l	
	A. Hemoglobin	B. plasma	
	C. creatinine	D. plasmids	
Q.4	[Fe (CN) <sub>6</sub> ] <sup>4-</sup> is called as?		
	A. Complex compound	B. Transition eleme	ent ion
	C. Anion	D. Complex anion	
Q.5	Allotropes are of same		
	A. Compounds	B. Molecules	
	C. Ions	D. Element	
Q.6	How many products of mono-substituted	benzene are possib	le?
_	A. Two	B. One	
	C. Three	D. None of these	
Q.7	Which of the following forces have no rel	ation with valence e	electrons?
	A. Ionic Bond	B. Chemical bond	
	C. Intermolecular forces	D. Intramolecular f	orces
Q.8	Electrode Potential is developed when a	metal is dipped into	
	A. An Acid	B. A base	
	C. In its own ions	D. Water	
Q.9	The unit of electronegativity is		
	A. Joule	B. Kilojoules	
	C. watt	D. no unit	
Q.10			
	A. Butanal	B. Methanal	
	C. Ethanal	D. All of these	
Q.11	Acetic acid is soluble in;		
	A. Water, Alcohol, Ether	B. HCl, HBr, HI	
	C. Bromine water	D. All of these	
Q.12	If Water is present on a cup placed on a	table, what will be t	he system in this
	case?		
	A. Water	B. Water in cup	
	C. Whole table	D. All of these	
Q.13	Alkali metals group lies in?		
	A. d-block	B. s-block	
	C. f- block	D. P- block	
Q.14	Kinetic Energy is the sum of		
	A. Rotational & Vibrational	B. Translation & R	otational
	C. Rotational, Vibrational and Translation	D. All of these	
Q.15	In NaCl crystal, chloride ions present at		listributed in
	A. One Unit Cell	B. 8 Unit cells	
	C. 4 Unit cells	D. 2 Unit cells	
DMC I	PRACTICE DIINNI E 4 TEST 04	PACE 4 OF	20

Q.16	Actual yield is always less than theoretical yield due to	
	A. Operational losses	B. reaction reversibility
	C. side reaction	D. all of these
Q.17	7 Legumine & collagen protein are present in which type of body tissues:	
	A. Cardiac	B. Epithelial
	C. Connective	D. Epidermis
Q.18	The increase in size of an anion is due to	increase in repulsion of
	A. electron-proton	B. electron-electron
	C. electron-nucleus	D. proton-nucleus
Q.19	Graphite has a structural similarity with	
	$A. B_2H_6$	B. B <sub>4</sub> C
	C. B	D. BN
Q.20	The order of reaction for which half-life i	s inversely proportional to the
	concentration of reaction is	
	A. Second Order	B. Zero Order
	C. First Order	D. Third Order
Q.21	SN <sub>1</sub> reaction is a?	
	A. Multistep reaction	B. Two step reactions
	C. Concerted reaction	D. 3 step reaction
Q.22	The unhybridized p orbitals of benzene a	re present in the form of?
	A. Between the C-C bonds of benzene	
	B. Above and below the carbon bonds	
	C. In the form of cloud above and below the	e benzene ring
	D. None of these	
Q.23	What is the color of silver acetylide, AgC	≡CAg?
	A. Red	B. White
	C. Brown	D. Pinkish
Q.24	The first state of the first sta	
	A. homonuclear diatomic molecules	B. heteronuclear diatomic molecules
	C. similar atoms	D. dissimilar atoms
Q.25	In a pressure cooker, boiling point of wat	-
	A. Raised than the normal	B. Lower than the normal
	C. Lower than the freezing point	D. All of these
Q.26	A polymer called Bakelite is formed by re	The second of th
	A. hydrogen	B. ethers
	C. carboxylic acid	D. formaldehyde
Q.27	The temperature at which one crystalline	form changes to other is called
	_temperature	
	A. critical	B. absolute
0.00	C. transition	D. none of these
Q.28	Fuels with higher octane number can be	
	A. Cracking	B. Reforming
0.20	C. Decomposition	D. Isomerisation
Q.29	Which one of them is used as an automob	
	A. Ethanol	B. ethene
	C. ethylene glycol	D. propene
0.20	How mote diseasing ground offert the El-	otnophilia substitution of house
Q.30	How meta directing groups affect the Ele	ctropume substitution of benzene
	ring?	soition
	A. Increase electron density at ortho, para po	SHIOH

**PAGE 2 OF 20** 

	B. Decrease electron density at ortho and para positions			
	C. Make benzene less reactive			
	D. Both B and C	D. Both B and C		
Q.31	In case of HOCH2CH2COOH, from were numbering is started?			
	A. OH group is given number 1			
	B. Carboxylic acid is given Number 1 posi	tion		
	C. COOH is given number 3 position			
	D. COOH is given number 4 position			
Q.32	vapor pressure is measured by calculating	ng difference in liquid pressure and		
	A. mercury pressure	B. glass pressure		
	C. atmospheric pressure	D. container pressure		
Q.33	Rate constant is denoted by?			
	A. k	B. kr		
	C. kv	D. ks		
Q.34	Which of these have a positive value of e	enthalpy?		
	A. Combustion	B. Neutralization		
	C. Atomization	D. All of these		
Q.35	Instantaneous dipole is produced when	?		
	A. Two polar molecules come closer			
	B. Two non-polar molecules comes closer			
	C. Polar and nonpolar molecule comes clo			
	D. All of these			
Q.36	How will the conditions be changed to p	revent the volume of the given gas		
	from expanding when its mass is increased			
	A. Temperature and pressure increased			
	B. Temperature is lowered and pressure de	ecreased		
	C. Temperature and pressure increased			
	D. Temperature is lowered and pressure in	creased		
Q.37	In Lucas test, tertiary alcohols form oily			
	A. On heating	B. Immediately		
	C. After 5-10 minutes	D. After 20 minutes		
0.38	Water is considered as a Universal solve	ent because of which properties?		
	A. Polar nature of water	B. H-bonding		
	C. Electronegativity difference	D. All are correct		
0.39	Which one of the following enthalpy cha			
	A. Enthalpy of combustion	B. Enthalpy of solution		
	C. Enthalpy of formation	D. Enthalpy of atomization		
Q.40	Octane number of n-heptane is	?		
<b>V.1.0</b>	A. 0	B. 100		
	C. 40	D. 98		
0.41	Which of the following is not aromatic?	D. 70		
V.11	A. Anthracene	B. Naphthalene		
	C. Phenol	D. None of these		
0.42	Which of the carboxylic acid is used in n			
Q.72	A. formic acid	B. acetic acid		
	C. benzoic acid	D. amino acid		
	C. Benzoic acid	D. animo acid		
Q.43	The formula for calculating electron in	subshalls or sub anarow lovals is		
Q. <del>1</del> 3	The formula for calculating electron in s A. 21+1	B. 2(l+1)		
	C. 2(21+1)	D. 2(2l-1)		

**PAGE 3 OF 20** 

Q.44	When two atoms bonded to form a stable compound, the attractive forces		
	willrepulsive forces and the potential	energy of the system will be	
	A. recessive, higher	B. dominate, minimum	
	C. dominate,maximum	D. recessive, lower	
Q.45	What is the value of molecularity and or	der of SN <sub>1</sub> reactions?	
	A. 2,1	B. 1,1	
	C. 0,1	D. 0,2	
Q.46	What will be density of CH4 at C and 1 a	ntm	
	A. $7138 \text{ g/cm}^3$	B. $0.7138 \text{g/dm}^3$	
	C. $0.7138g/cm^3$	D. $71.38g/dm^3$	
Q.47	Fused Bauxite is electrolyzed to get		
	A. Sodium	B. Magnesium	
	C. Aluminum	D. Iron	
Q.48	Which of the following alkyl halide is me	ost reactive towards Mg atom?	
	A. Alkyl bromide	B. Alkyl fluoride	
	C. Alkyl chloride	D. Alkyl iodide	
Q.49	Boiling point of hydrides of 4th period is	larger than?	
	A. 5th period	B. 3rd period	
	C. 6th period	D. 7th period	
Q.50	sodium-11 has electronic configuration		
	A. $[He]^2s^1$	B. [Ne] <sup>3</sup> s <sup>1</sup>	
	C. $[Ne]^3s^2$	D. $[He]^2s^2$	
Q.51	When are the prefixes ortho, para, and p	para used?	
	A. In alkynes to identify the position of triple bond		
	B. In arenes to identify the position first su	bstitution	
	C. In arenes to identify the position second	substitution	
	D. In all hydrocarbons to identify the posit	ion functional group	
Q.52	The state of the s		
	A. Ethanoic acid	B. Butanoic acid	
	C. Adipic acid	D. Phthalic acid	
Q.53	If Kp and Kc have same values Δn will be		
	A. Maximum	B. Minimum	
	C. Zero	D. Negligible	
Q.54	Which is sold as fertilizer		
	A. CaSiO <sub>3</sub>	B. Na <sub>2</sub> SiO <sub>3</sub>	
	C. Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	D. MnSiO <sub>3</sub>	
Q.55	Calculate mass in grams of 8.694 moles	of Ag <sub>2</sub> CO <sub>3</sub>	
	A. 1417.53g	B. 2399.544g	
	C. 3456.78g	D. 1231.98g	
	BIOLO	OGY	
Q.56	The process of determining the locus for		
2.00	A. replication	B. recombination	
	C. gene mapping	D. none of these	
Q.57	The attraction between water molecules		
Q.57	A. cohesion	B. tension	
	C. adhesion	D. imbibition	
	C. adilesion	D. Infoldition	
Q.58	Gametes in animals are produced by wh	ich of the following?	
Z.00	A. mitosis	B. meiosis	
	C. fission	D. all of these	

PAGE 4 OF 20

Q.59	A neural pathway that controls an action reflex is called:	
	A. Nerve cell	B. reflex arc
	C. Receptor cells	D. Mixed nerve
Q.60	Who discovered the bacteria causing tul	perculosis and also developed variou
	techniques of media preparation and ma	aintenance of pure culture?
	A. Robert Koch	B. Louis Pasteur
	C. Alexander Fleming	D. leeuwenhoek
Q.61	The ability to pass on genes is defined as	which of the following?
	A. Differential reproduction	B. Evolution
	C. Natural selection	D. Fitness
Q.62	The first actin spectrum was obtained by	y?
	A. T.W.Engelmann	B. Malleus
	C. T W Inws	D. W Stapes
Q.63	Pancreatic zymogens are only activated	when they reached at?
	A. stomach	B. pancreas
	C. small intestine	D. large intestine
Q.64	Proteins and lipids are converted into gl	ycolipids and glycoproteins by
	adding carbohydrates by?	
	A. ribosomes	B. cytoplasm
	C. golgi apparatus	D. endoplasmic reticulum
Q.65	What is the color of Xanthophyll pigmen	nt?
	A. Yellow	B. Red
	C. Orange	D. Green
Q.66	What type of atom is a carbon atom?	
	A. Divalent	B. monovalent
	C. trivalent	D. tetravalent
Q.67	The spinal cord is part of:	
	A. brain	B. Central nervous system
	C. peripheral nervous system	D. somatic division
Q.68	Which one of the following is most likely	to occur in a boy during puberty?
	A. He produces eggs	B. His shoulders broaden.
	C. The colour of his eyes change.	D. None of these
Q.69	The best function of coelom is described	as
	A. To increase the size of the animals	
	B. To help in the functioning of reproducti	INC. 985 81
	C. To provide space for the development of	f organs and systems
	D. all of these	
Q.70	What structure marks the separation be	
	A. I band	B. H zone
	C. A band	D. Z line
Q.71	Number of substrate molecules converte	
	enzyme active site per unit time is called	
	A. turnover number	B. substrate number
	C. reaction number	D. none of these
Q.72	Icosahedral Viruses have how many fac	
	A. 20	B. 30
_	C. 10	D. 40
Q.73	Ribonucleoprotein particles are the nam	
	A. RNA	B. DNA
	C. Nucleus	<ul> <li>D. Eukaryotic ribosomes</li> </ul>

PAGE 5 OF 20

Q.74	The homologous organs show similarity in	
	A. shape	B. origin
	C. function	D. size
Q.75	Where does the dark reaction of photosy	nthesis takes place?
	A. Thylakoid	B. Grana
	C. Stroma	D. all of these
Q.76	Which of the following is not vestigial or	gan of man?
	A. appendix	B. coccyx
	C. both a and b	D. none of these
<b>Q.77</b>	Which of following system is segmentally	arranged in annelids?
	A. excretory system	B. digestive system
	C. circulatory system	D. nervous system
Q.78	An activated enzyme made of polypeptid	e chain and a cofactor is?
	A. substrate	B. coenzyme
	C. apoenzyme	D. holoenzyme
Q.79	Which of these is the functional unit of lu	ings?
	A. alveoli	B. bronchioles
	C. air-sac	D. bronchi
Q.80	How many pairs of homologous chromos	omes are present in Pisum sativum?
	A. 5	B. 6
	C. 7	D. 8
Q.81	What type of virus is the smallpox virus?	
	A. DNA enveloped virus	B. RNA enveloped virus
	C. DNA virus	D. RNA naked virus
Q.82	The spermatic cord and spermatic duct a	are?
	A. the same	B. different
	C. same in function	D. same in location
Q.83	One of these animals is a prototherian.	
	A. Alligator	B. Penguin
	C. Porcupine	D. Spiny anteater
Q.84	Control Control of the Control of th	
	A. Green plants	B. green algae
	C. Animals	D. both a and b
Q.85	There is no vaccine against HIV, what is	the possible reason?
	A. the virus is highly mutated	
	B. the vaccine is too expensive	
	C. the virus can be controlled through chan	ge in hygiene
	D. none of these	
Q.86	The state of the s	
	A. in the medulla oblongata	
	B. in the mediastinum of the upper thorax	
	C. both A and B are correct	
	D. None of these	
Q.87	The state of the s	
	A. actin filament	B. Sarcomere
	C. Both A and B are correct	D. myosin
0.00		
Q.88	Which of the following is an ovoviviparo	
	A. reptiles	B. mammals
	C. frog	D. Duckbill platypus

PAGE 6 OF 20

Q.89	Which among the following defines GPI anchored proteins?	
	A. Integral proteins of the plasma membrane	
	B. Proteins that bind to ion-gated channels in the plasma membrane	
	C. Proteins which randomly bind to lipids of the plasma membrane	
	D. Peripheral proteins of the plasma membrane	
Q.90	True breeding variety is produced by whi	ch of the following?
	A. Cross fertilization	B. Self-fertilization
	C. both a and b	D. none of these
Q.91	Which of the following is an example of su	aperficial reflexes?
	A. ankle jerk	B. Knee jerk
	C. abdominal reflex	D. Both A and B
Q.92	What is the least common electron transp	ort chain?
	A. non-cyclic electron flow	B. cyclic electron flow
	C. circular electron flow	D. both b and c
Q.93	What is the length of spinal cord?	11
	A. 10-20 cm	B. 20-30cm
	C. 40-50cm	D. 60-90 cm
Q.94	In sponges fertilization takes place in whi	ch of the following?
	A. Ectoderm	B. Endoderm
	C. Uterus	D. Mesenchyme
Q.95	Which statement correctly describes the a	limentary canal of hydra?
	A. The alimentary canal is formed from the	endodermal cells.
	B. The alimentary canal has a single opening	g,
	C. The alimentary canal is sac-like.	
	D. All of the above.	
Q.96	What is the final product of the krebs cyc	le?
	A. malate	B. succinate
	C. oxaloacetate	D. fumarate
Q.97	Chlorophyll molecule contains which ion	as a central metal ion?
	A. Fe <sup>2+</sup>	B. Zn <sup>2+</sup>
	C. Cu <sup>2+</sup>	D. $Mg^{2+}$
Q.98	Nontoxic vitamins include which of the fo	The state of the s
	A. vitamin c	B. vitamin b
	C. both a and b	D. none of these
Q.99	All of the following are continuously vary	THE PARTY OF THE P
	A. Kernel colour in wheat	B. Skin colour in humans
	C. Height in humans	D. Tongue rolling in humans
Q.100	Which of the following is a unique charac	teristic of prokaryotic cells?
	A. Lack of a cytoplast	
	B. Presence of a cell wall	
	C. Inability to create proton gradients	
	D. mRNA translation simultaneous to transc	The second secon
Q.101	Which bond provides stability to complex	
	A. C-H	B. C-N
	C. C-O	D. C-C
Q.102	The number of water soluble vitamins is?	
	A. 3	B. 6
<u>U</u> n on an an	C. 9	D. 12
Q.103	What is the approximate value of the acti	
	A. 0.07V	B50 mv

**PAGE 7 OF 20** 

	C. 0.05 V	D. Both a and b
Q.104	If we add more substrate to already occu	irring enzymatic reaction and it has
	no affect on the rate of reaction, the process is called?	
	A. denaturation	B. saturation
	C. composition	D. inhibition
Q.105	The number of stages involved in heart l	peat is
	A. 2	B. 3
	C. 4	D. 5
Q.106	Purple non-sulphur bacteria is an examp	ole of which of the following?
	A. Heterotrophic bacteria	B. Saprotrophic bacteria
	C. Chemosynthetic bacteria	D. Photosynthetic bacteria
0.107	Which of the following types of bacterial	
<b>Q.1</b> 57	mitosis?	
	A. transduction	B. transformation
	C. binary fission	D. conjugation
O 108	Saponification number describes	D. Conjugation
Q.100		verage molecular weight of fatty acid
		cid number
O 109	Who proposed starch sugar hypothesis?	ad humber
Q.107	A. Sager	B. Dixon
	C. Mohi	D. Drebs
O 110	Which statement best describes the Hard	
Q.110		
	A. Recessive alleles eventually disappear in	
	B. Expected frequencies of alleles are impo	
	C. Dominant alleles become more prevalent in large populations.	
	D. When there is a large population, the me	echanism of inheritance does not
0 111	change allele frequencies.	
Q.111	refers to the breakdown or	
	A. assembly	B. uncoating
0.113	C. integration	D. maturation
Q.112	2 The epididymis, vas deferens, and urethra are a series of ducts found in	
	which body system?	D.I L.C.
	A. Endocrine	B. Lymphatic
	C. Digestive	D. Male reproductive
Q.113	The optimum pH for the functioning of t	
	A. 2	B. 3
	C. 4	D. 5
Q.114	What is the name of the region where do	ouble-stranded single circular DNA is
	found in the prokaryotic cell?	ter that v
	A. Proton Nucleus	B. Nucleus
	C. Nucleoplasm	D. Nucleoid
Q.115	Which condition can be explained by La	marckism?
	A. How giraffes got their long neck	
	B. How humans lost their tail	
	C. How humans became bipedal	
	D. all of these	
Q.116	The idea that opposed the idea of abioge	nesis was proposed by?
	A. Robert Hooke	B. Robert brown
	C. rudolph Virchow	D. lorenz oken

PAGE 8 OF 20

100	i ne canai system in sponges develo	ps due to which of the following:
	A. Porous walls	B. Gastrovascular system
(	C. Reproduction	D. Folding of inner walls
Q.118	Which of the following is known as	a bony joint?
	A. synostosis	B. symphysis
(	C. Syndesmosis	D. interosseous membrane
Q.119	Which of the following is not a true	characteristic of spermatogonia?
	A. They develop into primary sperma	atocytes through mitosis
]	B. They are undifferentiated	
(	C. They are germ line cells	
]	D. They are haploid	
Q.120	The brain that coordinates skeletal	muscle movements is:
1	A. Thalamus	B. Amygdala
(	C. Hypothalamus	D. Cerebellum
Q.121	Which type of cell would be the mo	st appropriate for the study of
	chloroplasts?	
1	A. conducting cell	B. pericycle cell
	C. photosynthetic cell	D. all of these
Q.122	What are the end products of the E	TC in animals?
	A. ATP	B. carbon dioxide
	C. water	D. both a and c
Q.123	During transport of car <mark>bon di</mark> oxide	e, blood does not become acidic due to:
	A. Blood buffer	
]	B Neutralization of H <sub>2</sub> CO <sub>3</sub> by Na <sub>2</sub> CO	)3
	C. Absorption by leukocytes	
1	D. Non-accumulation	
		IVSICS
	PF	IYSICS
Q.124	Ph Centrifuge is used to purify	
Q.124 Q	Ph Centrifuge is used to purify A. U	В. Н
Q.124 (	Ph Centrifuge is used to purify A. U C. O	B. H D. N
Q.124 Q.125	Ph Centrifuge is used to purify A. U C. O The speed v of the waves in the stri	B. H D. N ng depends upon the tension F of the
Q.124 Q.125 T	Phenomena Phenom	B. H D. N ng depends upon the tension F of the gth of the string. It is given by
Q.124 Q.125 Q.125 Q.125	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. $v^2 = F/m$	B. H D. N ng depends upon the tension F of the gth of the string. It is given by $B.\ v = F/m$
Q.124 Q.125	Centrifuge is used to purify A. U C. O The speed v of the waves in the stri string and m, the mass per unit len A. $v^2 = F/m$ C. $v \times m = F$	B. H D. N ng depends upon the tension F of the gth of the string. It is given by
Q.124 Q.125 Q.126 D	Centrifuge is used to purify A. U C. O The speed v of the waves in the stri string and m, the mass per unit len A. v <sup>2</sup> = F/m C. v×m = F Momentum of a photon is	$B.\ H$ $D.\ N$ $ng\ depends\ upon\ the\ tension\ F\ of\ the$ $gth\ of\ the\ string.\ It\ is\ given\ by$ $B.\ v=F/m$ $D.\ v=F\times m$
Q.124 Q.125 Q.126 I	Centrifuge is used to purify A. U C. O The speed v of the waves in the stri string and m, the mass per unit len A. $v^2 = F/m$ C. $v \times m = F$ Momentum of a photon is A. 0	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by B. $v = F/m$ D. $v = F \times m$
Q.124 Q.125 Q.126 I	Centrifuge is used to purify A. U C. O The speed v of the waves in the strictering and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c	$B.\ H$ $D.\ N$ $ng\ depends\ upon\ the\ tension\ F\ of\ the$ $gth\ of\ the\ string.\ It\ is\ given\ by$ $B.\ v=F/m$ $D.\ v=F\times m$
Q.124 Q.125 Q.126 Q.127 Q.127	Centrifuge is used to purify A. U C. O The speed v of the waves in the strictering and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is?	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. $v = F/m$ D. $v = F \times m$ B. $\alpha$ D. $mv$
Q.124 Q.125 Q.126 Q.127 Q.127	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. $v = F/m$ D. $v = F \times m$ B. $\alpha$ D. $mv$ B. Ampere
Q.124 Q.125 Q.126 Q.127 Q.127	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. $v = F/m$ D. $v = F \times m$ B. $\alpha$ D. $mv$
Q.124 Q.125 Q.126 Q.127 Q.128 Q.128	Centrifuge is used to purify A. U C. O The speed v of the waves in the stri string and m, the mass per unit len A. v² = F/m C. v×m = F  Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. $v = F/m$ D. $v = F \times m$ B. $\alpha$ D. $mv$ B. Ampere D. Volts
Q.124 Q.125 Q.126 Q.127 Q.128	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only
Q.124 Q.125 Q.126 Q.127 Q.128	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F  Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. $v = F/m$ D. $v = F \times m$ B. $\alpha$ D. $mv$ B. Ampere D. Volts
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129 Q.129 Q.129	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in A. AC generator	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit  B. DC generator
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in	B. H D. N  ng depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in A. AC generator C. Battery	B. H D. N  Ing depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit  B. DC generator D. Transformer
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129 Q.129 Q.130	Centrifuge is used to purify A. U C. O The speed v of the waves in the stri string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in A. AC generator C. Battery  During the circular path in magnet	B. H D. N  Ing depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit  B. DC generator D. Transformer  Sic field, what is the magnetic force
Q.124 Q.125 Q.126 Q.127 Q.128 Q.129 Q.130	Centrifuge is used to purify A. U C. O The speed v of the waves in the strict string and m, the mass per unit len A. v² = F/m C. v×m = F Momentum of a photon is A. 0 C. hf/c The SI Unit for resistance is? A. Ohm C. Watt The displacement has A. magnitude only C. magnitude and direction The mutual induction happens in A. AC generator C. Battery	B. H D. N  Ing depends upon the tension F of the gth of the string. It is given by  B. v = F/m D. v = F × m  B. α D. mv  B. Ampere D. Volts  B. direction only D. no unit  B. DC generator D. Transformer

**PAGE 9 OF 20** 

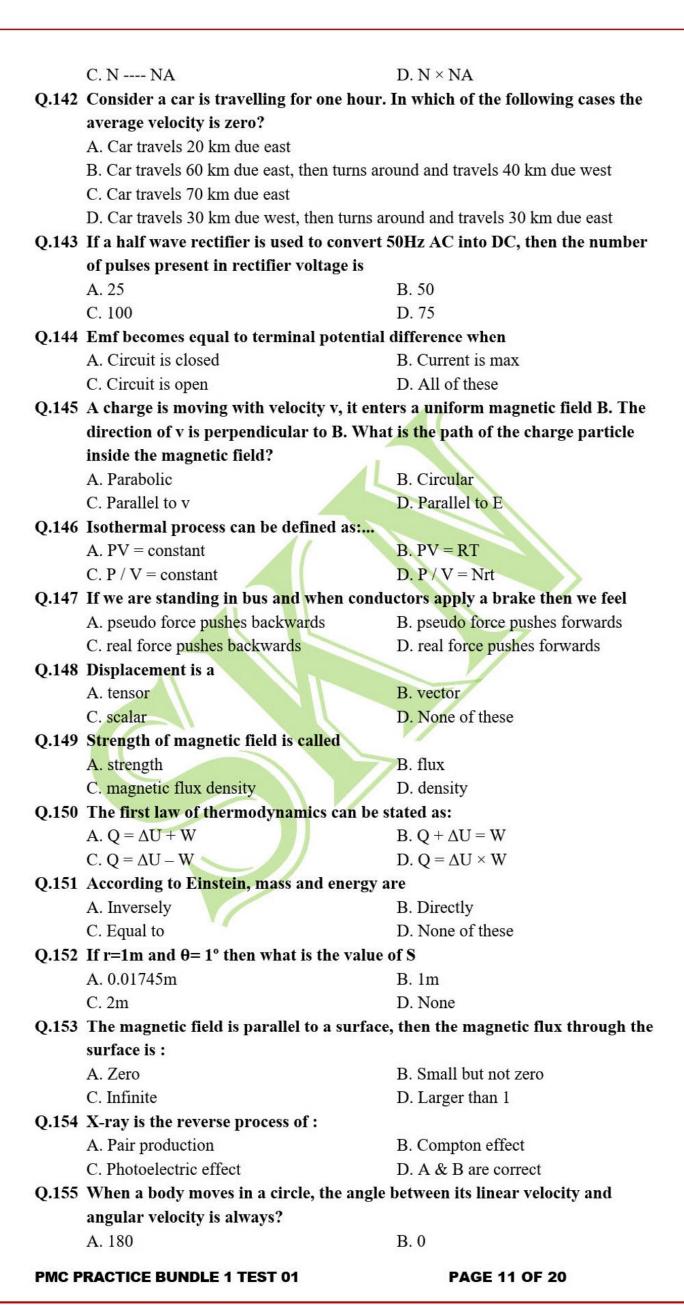
	Non-inverting amplifier circuits have	
	A. A very high input impedance	B. A very low input impedance
	C. A low output impedance	D. None of the above
	What will happen in a time of 7 hours, if	a radioactive substance has an
	average life of 7 hours?	
	A. Half of the active nuclei decay	
	B. Less half of the active nuclei decay	
	C. More than half of the active nuclei decay	
	D. Total nuclei decay	
	Electric power is	
5979	A. Rate of electric work done per unit time	B. Voltage per unit time
	C. Electric charge per unit time	D. Current per unit time
	A longitudinal wave is moving through a	The state of the s
	statements about direction of propagation	
	medium is true?	A .
	A. Displacement of medium = parallel to the	e energy transfer direction of
	propagation of wave = parallel to the energy	
	B. Displacement of medium = parallel to the	The state of the s
	propagation of wave = perpendicular to the	The second secon
	C. Displacement of medium = perpendicular	
	propagation of wave = parallel to the energy	Art and a second a second and a second a second and a second a second and a second
	D. Displacement of medium = perpendicular	
	propagation of wave = perpendicular to the	
	The bridge rectifier is preferred to an ord	
2.133	because	imary two diode full wave rectifier
	A. It needs much smaller transformer for the	sama output
	B. No center tap required	e same output
	C. Less PIV rating per diode	
	D. All of the above	
		of conductor is
	Ohm's law is valid when the temperature	
	A. Very low	B. Very high D. Constant
	C. Varying	
	Mass and energy are related to each other	273
	A. Newton's law	B. Einstein law
	C. Coulomb law	D. All of these
300	The nuclear forces are considered as	
	A. Strong force	B. Weak force
	C. Electromagnetic force	D. All of these
	Which, among the following qualities, is n	The second secon
	A. Moving charge	B. Charge in magnetic flux
	C. Current flowing in conductor	D. Stationary charge
	A line normal to the wavefront, showing t	he direction of propagation of ligh
Q.140	is called:	
	A. Tangent	B. Radius

PMC PRACTICE BUNDLE 1 TEST 01

A. N + NA

**PAGE 10 OF 20** 

B. NA ----- N



C. 90 D. 45 Q.156 A particle of mass 'm' is projected from the ground with an initial speed u0 at an angle 'a' with the horizontal. At the highest point of its trajectory, it makes a completely in inelastic collision with another particle of mass which was thrown vertically upward from the ground with the same initial speed u0. The angle that the composite system makes with the horizontal immediately after the collision is A. 37° B. 45°-a D. 90° C. 45°+a Q.157 Three objects are brought close to each other, two at a time. When objects A and B are brought together, they repel. When objects B and C are brought together, they also repel. Which of the following are true? A. Objects A and C possess charges of the same sign, but not B B. Objects A and C possess charges of opposite sign C. All three objects possess charges of the same sign D. One object is neutral Q.158 Which principle is used in solar cells? A. momentum B. charge C. mass D. all of these Q.159 A liquid has mass m and specific heat capacity c. The rate of change in temperature of liquid is R. What is the rate at which heat is transferred from the liquid. B. R ---- mc A. Rmc C. mc ----- R D. Rm ----- c Q.160 Michelson measured the length of standard metre in terms of the wavelength B. violet cadmium light A. green cadmium light C. red cadmium light D. blue cadmium light Q.161 Which one of them is a type of emission A. Spontaneous B. Stimulated D. None of these C. Both A and B Q.162 Which one of them is a type of emission A. Spontaneous B. Stimulated C. Both A and B D. None of these Q.163 The shortest distance between two points on the wave that have a phase difference of  $(\frac{\pi}{2})$  is 5 cm. What is its wavelength? A. 10 cm B. 20 cm C. 30 cm D. 40 cm Q.164 An example of non-ohmic resistor is A. Diode B. Tungsten wire C. Carbon resistance D. Copper wire Q.165 When the nucleus of an unstable atom emits only gamma radiation, the nucleus must A. Gain energy B. Lose energy C. Lose protons D. Gain protons Q.166 Magnetic field lines created by current carrying wire is A. Helical B. Elliptical C. Hyperbolic D. Circular Q.167 Ripple factor of half wave rectifier is A. 1.21 B. 0.8

PMC PRACTICE BUNDLE 1 TEST 01

**PAGE 12 OF 20** 

C. 0.6	D. 0.4	
Q.168 A metal rod of length 4 m, velocity 5	m/s and magnetic field 0.5 T induced	
emf is	Section (Section Section (Section Control Cont	
A. 10 V	B. 20V	
C. 30V	D. 4V	
Q.169 Find the resistance if voltage of the ci		
A. 1.6 ohm	B. 1.5 ohm	
C. 1.7 ohm	D. 1.8 ohm	
Q.170 The phase angle between two points i	is 3 $\pi$ . The distance between these points	
is 15 cm. What is the wavelength of the	he wave?	
A. 30 cm	B. 45 cm	
C. 5 cm	D. 10 cm	
Q.171 Steady current does not change with	respect to	
A. conductor	B. source	
C. time	D. potential difference	
Q.172 A bullet of mass 10 g leaves a rifle at		
strikes earth at the same level with a		
overcoming the resistance of air will		
A. 500J	B. 5000J	
C. 3750J	D. 475J	
Q.173 Voltage in secondary winding is	to current in secondary coil	
A. Directly proportional	B. Inversely proportional	
C. Directly squared proportional	D. Not enough information	
Q.174 In a periodic wave, the distance betw	een second and fifth crests is 15 cm,	
what is the wavelength of the wave?		
A. 45 cm	B. 5 cm	
C. 1/5 cm	D. 1/3 cm	
Q.175 What is the de Broglie wavelength as	sociated with an electron, accelerated	
through a potential difference of 200 volts?		
A. lnm	B. 0.5nm	
C. 0.0056 nm	D. 0.086 nm	
Q.176 Consider a car is travelling for one he		
the same average velocity?	our. Which of the following trips have	
A. Car travels 20 km due east and car tr	vorvala 70 km dua aaat	
	ns around and travels 20 km due west and	
car travels 20 km due east		
	ravels 40 km due east, then turns around	
and travels 20 km due west		
D. Car travels 30 km due west, then tur	ns around and travels 30 km due east and	
car travels 40 km due east, then turns ar	round and travels 20 km due west	
Q.177 In a centre tap full wave rectifier if V	m is the peak voltage across the	
secondary of transformer, the maxim	ium voltage across reverse bias is	
A. Vm	D Vm	
A. VIII	$B.\frac{Vm}{\sqrt{2}}$	
C. 2Vm	D. $\frac{Vm}{2}$	
	3	
Q.178 $\mathrm{C}^{14}$ has half-life 5700 years. At the end of 11400 years, the actual amount left		
is		
A. 0.0625 of original amount	B. 0.5 of original amount	
C. 0.25 of original amount	D. 0.125 of original amount	
PMC PRACTICE BUNDLE 1 TEST 01	PAGE 13 OF 20	

Q.179	Consider two capacitors with capacitance $2\mu F$ and $4\mu F$ . With which type of	
	connection will the $4\mu F$ capacitor have a greater amount of stored energy	
	than the 2µF capacitor?	
	A. Series	B. Parallel
	C. Either series nor parallel	D. Neither series nor parallel
Q.180	Galvanometer is an	
	A. Electromechanical device	B. Electrosolar device
	C. Electrothermal device	D. None of them
	EN	GLISH
Q.181	They have been very close friends u	ntil they quarelled over a petty issue.
	A B	C D
	A. They have been	B. very close friends
	C. until they quarelled	D. over a petty issue.
Q.182	I English since my childhoo	d.
	A. study	B. am studying
	C. have been studying	D. studied
Q.183	Some of the books on the table	to me.
	A. belong	B. belonging
	C. belongs	D. was belong
Q.184	Have you the examination	
	A. Take	B. Took
	C. Taken	D. Taking
Q.185	We went to the President as a last _	
	A. Recourse	B. Resort
0.404	C. Resource	D. Resound
Q.186	Mrs Rose planning to do a course in	
	A. are planning	B. plans
0 107	C. with a plan	D. planning
Q.18/	A. aan	B. an the
	C. a the	D. aa
O 188	Which verb is NOT in the present t	
Q.100	A. She listened	B. She talks
	C. She waits	D. She eats
0.189	Choose the correct spelling of the w	
<b>(</b> 120)	A. prettiest	B. prettyest
	C. pretiest	D. preetiest
O.190	Sameeri	STATE OF COST - CANADA COST ST POR CONTROL CONTROL
	A. run	B. runs
	C. running	D. walk
Q.191	My parentsne	ar Lahore.
	A. living	B. are living
	C. lives	D. live
Q.192	Sumaira was surprised when her be	oss didn't the dinner they had at
	the restaurant.	
	A. buy	B. pay
	C. pay for	D. spend
Q.193	The state of the s	considerably. One has an electric motor,
	the other runs on oil.	
PMC P	RACTICE BUNDLE 1 TEST 01	PAGE 14 OF 20

	A. Different	B. Differentiate
	C. Differ	D. Difference
Q.194	Choose the correct sentence.	
	A. Did you know that they're leaving the cit	y for good.
	B. Did you know that they're leaving the city	y for good?
	C. Did you know that the yre leaving the city	y for good?
	D. Did you know that theyre leaving the city	for good.
Q.195	We have small house in	village in
	Netherlands.	
	A. the ana	B. ana the
	C. aathe	D. aan the
Q.196	I'm now going to give you 10 tip	s for running a really successful
	web site.	
	A. invaluable	B. valueless
and a window	C. unworthy	D. unprofitable
Q.197	Choose the correct sentence.	
	A. "Trust me, I know what I'm doing," Bila	
	B. "Trust me, I know what I'm doing," Bila	
	C. "Trust me I know what Im doing," Bilal	
0.400	D. "Trust me, I know what I'm doing," Bila	
Q.198	They will bake the pies. Which tense is us	
	A. Present	B. Past
O 100	C. Future	D. Universal
Q.199	None of them able to solve this quest	
	A. is C. was	B. were D. would be
O 200	If I had been thirsty I would have drank	The second secon
Q.200	A B	C D
	you.	
	A. If i had been thirsty	B. I would have
	C. drank the lemonade	D. without waiting for you.
	LOGICAL RE	
0.004		ASONING
Q.201	Statement	
	The Statement There is an unprecedented	
	to urban areas as repeated crop failure har financial situation.	as put them into precarious
	Courses of Action	
		Itamata sauraa of income in their
	I. The villagers should be provided with a villages which will make them stay put.	mer hate source of income in their
	II. The migrated villagers should be prov	ided with jobs in the urban areas to
	help them survive	nica with jobs in the urban areas to
	A. Both of them follows	B. None of them follows
	C. Only I follows	D. Only II follows

- I. There is unprecedented increase in the number of young unemployed in comparison to the previous year.
- II. A large number of candidates submitted applications against an advertisement for the post of manager issued by a bank.
- 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.203 Fact 1: A boy have a four cars
  - Fact 2: Two of the cars are red
  - Fact 3: He have one sports car

If the above three statements are facts than which of the following statement will also be a

fact I. The boy have red sports car

II. He have 2 corolla

III. His favorite color is red

A. Only I and II

C. Only III

B. Only II

D. None of the statement is a fact

Q.204 Statements: Some papers are pens. Angle is a paper.

**Conclusions:** 

I. Angle is not a pen.

II. Angle is a PEN

A. Only conclusion II follows

B. Either I or II follows

C. Neither I nor II follows

D. Both I and II follows

#### Q.205 Statement:

- I. The farmers have decided against selling their Kharif crops to the government agencies.
- II. The government has reduced the procurement price of Kharif crops starting from last month to the next six months.
- 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 A competition always has

A. Reward

B. Rivals

C. Spectators

D. Referee

Q.207 Which word does NOT belong with the others?

A. index

B. glossary

C. chapter

D. book

Q.208 Children are in pursuit of a dog whose leash has broken. James is directly behind the dog. Ruby is behind James. Rachel is behind Ruby. Max is ahead of the dog walking down the street in the opposite direction. As the children and dog pass, Max turns around and joins the pursuit. He runs in behind Ruby. James runs faster and is alongside the dog on the left. Ruby runs faster and is alongside the dog on the right. Which child is directly behind the dog?

A. James

B. Ruby

C. Rachel

D. Max

Q.209 Directions: In each of the following questions a statement is given, followed by two conclusions. Give answer:

Statement: Without reforming the entire administrative system, we cannot eradicate corruption and prejudice from the society.

Assumptions:

I. The existence of corruption and prejudice is good.

II. There is enough flexibility to change the administrative system.

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.210 Complete the series A25, B625, C15625, \_\_\_\_\_?

A. D390625

B. D364748

C. D390524

D. D390525



# PMC PAID PRACTICE TEST 02 SOLVED

CHE	MISTRY
Suppression of ionization means	
A. Decreasing Ionization	B. Increasing Ionization
C. Maintaining Ionization	D. None of these
an element or its compound is first	to get its spectrum by
spectrometer	41
A. freezed, continuous	B. freezed, line
C. volatilized, line	D. volatilized, continuous
is a macromolecule found in bl	ood
A. Hemoglobin	B. plasma
C. creatinine	D. plasmids
[Fe (CN)6]4- is called as?	
A. Complex compound	B. Transition element ion
C. Anion	D. Complex anion
Allotropes are of same	
A. Compounds	B. Molecules
C. Ions	D. Element
How many products of mono-substitu	ted benzene are possible?
A. Two	B. One
C. Three	D. None of these
Which of the following forces have no	relation with valence electrons?
A. Ionic Bond	B. Chemical bond
C. Intermolecular forces	D. Intramolecular forces
Electrode Potential is developed when	a metal is dipped into
A. An Acid	B. A base
C. In its own ions	D. Water
The unit of electronegativity is	
A. Joule	B. Kilojoules
C. watt	D. no unit
Which of the following give silver mir	ror test?
A. Butanal	B. Methanal
C. Ethanal	D. All of these
Acetic acid is soluble in;	
A. Water, Alcohol, Ether	B. HCl, HBr, HI
C. Bromine water	D. All of these
If Water is present on a cup placed on	a table, what will be the system in this
case?	

	A. Water	B. Water in cup
	C. Whole table	D. All of these
Q.13	Alkali metals group lies in?	
	A. d-block	B. s-block
	C. f- block	D. P- block
Q.14	Kinetic Energy is the sum of	
	A. Rotational & Vibrational	B. Translation & Rotational
	C. Rotational, Vibrational and Translation	D. All of these
Q.15	In NaCl crystal, chloride ions present at	the face center are distributed in
	A. One Unit Cell	B. 8 Unit cells
	C. 4 Unit cells	D. 2 Unit cells
Q.16	Actual yield is always less than theoretic	
	A. Operational losses	B. reaction reversibility
	C. side reaction	D. all of these
Q.17	Legumine & collagen protein are preser	
	A. Cardiac	B. Epithelial
	C. Connective	D. Epidermis
Q.18	The increase in size of an anion is due to	
	A. electron-proton	B. electron-electron
0.40	C. electron-nucleus	D. proton-nucleus
Q.19	Graphite has a structural similarity wit	
	A. $B_2H_6$	B. B <sub>4</sub> C
0.20	C. B	D. BN
Q.20	The order of reaction for which half-life	is inversely proportional to the
	concentration of reaction is  A. Second Order	D. Zana Ondon
	C. First Order	B. Zero Order D. Third Order
Q.21	SN <sub>1</sub> reaction is a	D. Third Order
Q.21	A. Multistep reaction	B. Two step reactions
	C. Concerted reaction	D. 3 step reaction
Q.22	The unhybridized p orbitals of benzene	(A) and the second seco
۷.22	A. Between the C-C bonds of benzene	
	B. Above and below the carbon bonds	
	C. In the form of cloud above and below the	ne benzene ring
	D. None of these	<u> </u>
Q.23	What is the color of silver acetylide, Ago	C≡CAg?
11.63.3	A. Red	B. White
	C. Brown	D. Pinkish
Q.24	Non polar covalent bond is formed b/w	
350	A. homonuclear diatomic molecules	B. heteronuclear diatomic molecules
	C. similar atoms	D. dissimilar atoms
Q.25	In a pressure cooker, boiling point of wa	nter is?

	A. Raised than the normal	B. Lower than the normal
	C. Lower than the freezing point	D. All of these
Q.26	A polymer called Bakelite is formed by re	eaction of phenol with
	A. hydrogen	B. ethers
	C. carboxylic acid	D. formaldehyde
Q.27	The temperature at which one crystalline	e form changes to other is called
	_temperature	
	A. critical	B. absolute
	C. transition	D. none of these
Q.28	Fuels with higher octane number can be	produce by?
	A. Cracking	B. Reforming
	C. Decomposition	D. Isomerisation
Q.29	Which one of them is used as an automol	oile antifreeze
	A. Ethanol	B. ethene
	C. ethylene glycol	D. propene
Q.30	How meta directing groups affect the Ele	ctrophilic substitution of benzene ring?
	A. Increase electron density at ortho, para po	osition
	B. Decrease electron density at ortho and pa	ara positions
	C. Make benzene less reactive	
	D. Both B and C	
Q.31	In case of HOCH2CH2CH2COOH, from	were numbering is started ?
	A. OH group is given number 1	
	B. Carboxylic acid is given Number 1 posit	ion
	C. COOH is given number 3 position	
	D. COOH is given number 4 position	
Q.32	vapor pressure is measured by calculating	g difference in liquid pressure and
	A. mercury pressure	B. glass pressure
	C. atmospheric pressure	D. container pressure
Q.33	Rate constant is denoted by?	
	A. k	B. kr
	C. kv	D. ks
Q.34	Which of these have a positive value of en	nthalpy?
	A. Combustion	B. Neutralization
	C. Atomization	D. All of these
Q.35	Instantaneous dipole is produced when _	?
	A. Two polar molecules come closer	
	B. Two non-polar molecules comes closer	
	C. Polar and nonpolar molecule comes clos	er
	D. All of these	
Q.36	How will the conditions be changed to pr	event the volume of the given gas from
	expanding when its mass is increased	
	A. Temperature and pressure increased	

	B. Temperature is lowered and pressure dec	reased	
	C. Temperature and pressure increased		
	D. Temperature is lowered and pressure inco	reased	
Q.37	In Lucas test, tertiary alcohols form oily l		
	A. On heating	B. Immediately	
	C. After 5-10 minutes	D. After 20 minutes	
Q.38	Water is considered as a Universal solven		
<b>Q.0</b> 0	A. Polar nature of water	B. H-bonding	
	C. Electronegativity difference	D. All are correct	
Q.39	Which one of the following enthalpy chan		
Q.J	A. Enthalpy of combustion	B. Enthalpy of solution	
	C. Enthalpy of formation	D. Enthalpy of atomization	
Q.40	Octane number of n-heptane is?	B. Enthalpy of atomization	
Q.40		D 100	
	A. 0 C. 40	B. 100	
0.44		D. 98	
Q.41	Which of the following is not aromatic?		
	A. Anthracene	B. Naphthalene	
	C. Phenol	D. None of these	
Q.42	Which of the carboxylic acid is used in m		
	A. formic acid	B. acetic acid	
	C. benzoic acid	D. amino acid	
Q.43	The formula for calculating electron in su		
	A. 2l+1	B. 2(l+1)	
	C. 2(2l+1)	D. 2(21-1)	
Q.44	When two atoms bonded to form a stable	compound, the attractive forces will	
	_repulsive forces and the potential energy	gy of the system will be	
	A. recessive, higher	B. dominate, minimum	
	C. dominate,maximum	D. recessive, lower	
Q.45	What is the value of molecularity and ord	ler of SN1 reactions?	
	A. 2,1	B. 1,1	
	C. 0,1	D. 0,2	
Q.46	What will be density of CH4 at C and 1 at	m	
	A. 7138 g/cm <sup>3</sup>	B. $0.7138g/dm^3$	
	C. $0.7138 \text{g/cm}^3$	D. $71.38g/dm^3$	
Q.47	Fused Bauxite is electrolyzed to get		
A	A. Sodium	B. Magnesium	
	C. Aluminum	D. Iron	
Q.48	Which of the following alkyl halide is mos	st reactive towards Mg atom?	
•	A. Alkyl bromide	B. Alkyl fluoride	
	C. Alkyl chloride	D. Alkyl iodide	
Q.49	Boiling point of hydrides of 4th period is	. <del>                                     </del>	
Z.17	A. 5th period	B. 3rd period	
	71. Jul portou	D. 51d period	

	C. 6th period	D. 7th period	
Q.50	sodium-11 has electronic configuration		
	A. $[He]^2s^1$	B. $[Ne]^3s^1$	
	C. $[Ne]^3s^2$	D. $[He]^2s^2$	
Q.51	When are the prefixes ortho, para, and	para used?	
	A. In alkynes to identify the position of triple bond		
	B. In arenes to identify the position first su	ubstitution	
	C. In arenes to identify the position second	l substitution	
	D. In all hydrocarbons to identify the posit	tion functional group	
Q.52	Which of the following is an example of	aromatic carboxylic acid?	
	A. Ethanoic acid	B. Butanoic acid	
	C. Adipic acid	D. Phthalic acid	
Q.53	If Kp and Kc have same values Δn will l	oe e	
	A. Maximum	B. Minimum	
	C. Zero	D. Negligible	
Q.54	Which is sold as fertilizer		
	A. CaSiO <sub>3</sub>	B. Na <sub>2</sub> SiO <sub>3</sub>	
	C. $Ca_3(PO_4)_2$	D. MnSiQ <sub>3</sub>	
Q.55	Calculate mass in grams of 8.694 moles		
	A. 1417.53g	B. 2399.544g	
	C. 3456.78g	D. 1231.98g	
	BIOI	LOGY	
Q.56	BIOI The process of determining the locus for		
Q.56			
Q.56	The process of determining the locus for	r particular biological traits includes?	
Q.56 Q.57	The process of determining the locus for A. replication	B. recombination D. none of these	
_	The process of determining the locus for A. replication C. gene mapping	B. recombination D. none of these	
Q.57	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition	
_	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by wh	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following?	
Q.57	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis	
Q.57 Q.58	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these	
Q.57	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called:	
Q.57 Q.58	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve	
Q.57 Q.58	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tules	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve berculosis and also developed various	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tult techniques of media preparation and materials	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve berculosis and also developed various aintenance of pure culture?	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tult techniques of media preparation and mata. Robert Koch	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition nich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve berculosis and also developed various aintenance of pure culture? B. Louis Pasteur	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tult techniques of media preparation and mata. Robert Koch C. Alexander Fleming	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition D. imbibition ich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve berculosis and also developed various aintenance of pure culture? B. Louis Pasteur D. leeuwenhoek	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tult techniques of media preparation and material action A. Robert Koch C. Alexander Fleming The ability to pass on genes is defined as	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition D. imbibition D. imbibition D. all of the following? B. meiosis D. all of these D. Mixed nerve D. Mixed nerve Derculosis and also developed various aintenance of pure culture? B. Louis Pasteur D. leeuwenhoek S. which of the following?	
Q.57 Q.58 Q.59	The process of determining the locus for A. replication C. gene mapping The attraction between water molecules A. cohesion C. adhesion Gametes in animals are produced by what A. mitosis C. fission A neural pathway that controls an action A. Nerve cell C. Receptor cells Who discovered the bacteria causing tult techniques of media preparation and mata. Robert Koch C. Alexander Fleming	B. recombination D. none of these and cell wall of xylem is termed as: B. tension D. imbibition D. imbibition ich of the following? B. meiosis D. all of these n reflex is called: B. reflex arc D. Mixed nerve berculosis and also developed various aintenance of pure culture? B. Louis Pasteur D. leeuwenhoek	

Q.62	The first actin spectrum was o	btained by?
	A. T.W.Engelmann	B. Malleus
	C. T W Inws	D. W Stapes
Q.63 Pancreatic zymogens are only activated when they reached at		activated when they reached at?
	A. stomach	B. pancreas
	C. small intestine	D. large intestine
Q.64	Proteins and lipids are convert	ed into glycolipids and glycoproteins by adding
	carbohydrates by?	
	A. ribosomes	B. cytoplasm
	C. golgi apparatus	D. endoplasmic reticulum
Q.65	What is the color of Xanthophy	yll pigment?
	A. Yellow	B. Red
	C. Orange	D. Green
Q.66	What type of atom is a carbon	atom?
	A. Divalent	B. monovalent
	C. trivalent	D. tetravalent
Q.67	The spinal cord is part of:	
	A. brain	B. Central nervous system
	C. peripheral nervous system	D. somatic division
Q.68	Which one of the following is n	nost likely to occur in a boy during puberty?
	A. He produces eggs	B. His shoulders broaden.
	C. The colour of his eyes change	D. None of these
Q.69	The best function of coelom is	described as
	A. To increase the size of the ani	imals
	B. To help in the functioning of	reproductive system
	C. To provide space for the development of organs and systems	
	D. all of these	
Q.70	What structure marks the sepa	ration between two sarcomeres?
	A. I band	B. H zone
	C. A band	D. Z line
Q.71	Number of substrate molecules	s converted into product by one molecule of
	enzyme active site per unit time is called?	
	A. turnover number	B. substrate number
	C. reaction number	D. none of these
Q.72	Icosahedral Viruses have how	many faces?
	A. 20	B. 30
	C. 10	D. 40
Q.73	Ribonucleoprotein particles ar	e the name of?
	A. RNA	B. DNA
	C. Nucleus	D. Eukaryotic ribosomes
Q.74	The homologous organs show s	similarity in
	A. shape	B. origin

	C. function	D. size
Q.75	Where does the dark reaction of	photosynthesis takes place?
	A. Thylakoid	B. Grana
	C. Stroma	D. all of these
Q.76	Which of the following is not ves	tigial organ of man?
	A. appendix	B. coccyx
	C. both a and b	D. none of these
Q.77	Which of following system is seg	mentally arranged in annelids?
	A. excretory system	B. digestive system
	C. circulatory system	D. nervous system
Q.78	An activated enzyme made of po	lypeptide chain and a cofactor is?
	A. substrate	B. coenzyme
	C. apoenzyme	D. holoenzyme
Q.79	Which of these is the functional	unit of lungs?
	A. alveoli	B. bronchioles
	C. air-sac	D. bronchi
Q.80	How many pairs of homologous	chromosomes are present in Pisum sativum?
	A. 5	B. 6
	C. 7	D. 8
Q.81	What type of virus is the smallpo	ox virus?
	A. DNA enveloped virus	B. RNA enveloped virus
	C. DNA virus	D. RNA naked virus
Q.82	The spermatic cord and spermat	
	A. the same	B. different
	C. same in function	D. same in location
Q.83	One of these animals is a prototh	
	A. Alligator	B. Penguin
	C. Porcupine	D. Spiny anteater
Q.84	Chlorophyll b is found in which	
	A. Green plants	B. green algae
	C. Animals	D. both A and B
Q.85	There is no vaccine against HIV,	, what is the possible reason?
	A. the virus is highly mutated	
	B. the vaccine is too expensive	
	C. the virus can be controlled through	ugh change in hygiene
0.06	D. none of these	
Q.86	Thymus is found in human body	' <b>in</b>
	A. in the medulla oblongata	1
	B. in the mediastinum of the upper	· morax
	C. both A and B are correct	
0.07	D. None of these	6.11
Q.87	When a muscle fibre shortens, the	ie ionowing also snortens:

B. Sarcomere A. actin filament C. Both A and B are correct D. myosin Q.88 Which of the following is an ovoviviparous organism? A. reptiles B. mammals C. frog D. Duckbill platypus Q.89 Which among the following defines GPI anchored proteins? A. Integral proteins of the plasma membrane B. Proteins that bind to ion-gated channels in the plasma membrane C. Proteins which randomly bind to lipids of the plasma membrane D. Peripheral proteins of the plasma membrane True breeding variety is produced by which of the following? Q.90B. Self-fertilization A. Cross fertilization D. none of these C. both a and b Q.91 Which of the following is an example of superficial reflexes? B. Knee jerk A. ankle jerk C. abdominal reflex D. Both A and B Q.92 What is the least common electron transport chain? A. non-cyclic electron flow B. cyclic electron flow D. both b and c C. circular electron flow Q.93 What is the length of spinal cord? A. 10-20 cm B. 20-30cm D. 60-90 cm C. 40-50cm Q.94 In sponges fertilization takes place in which of the following? B. Endoderm A. Ectoderm C. Uterus D. Mesenchyme Q.95 Which statement correctly describes the alimentary canal of hydra? A. The alimentary canal is formed from the endodermal cells. B. The alimentary canal has a single opening. C. The alimentary canal is sac-like. D. All of the above. Q.96 What is the final product of the krebs cycle? A. malate B. succinate C. oxaloacetate D. fumarate Q.97 Chlorophyll molecule contains which ion as a central metal ion? A. Fe<sup>2+</sup> B. Zn<sup>2+</sup> C. Cu2+ D.  $Mg^{2+}$ Q.98 Nontoxic vitamins include which of the following? A. vitamin c B. vitamin b C. both a and b D. none of these Q.99 All of the following are continuously varying traits except? A. Kernel colour in wheat B. Skin colour in humans

	C. Height in humans D. T	ongue rolling in humans
O 100	Which of the following is a unique characterist	
Q.100	A. Lack of a cytoplast	de of prokaryotte cens.
	B. Presence of a cell wall	
	C. Inability to create proton gradients	
	D. mRNA translation simultaneous to transcription	an .
O 101	Which bond provides stability to complex carb	
Q.101	A. C-H	B. C-N
	C. C-O	D. C-C
O 102	The number of water soluble vitamins is?	<i>D</i> . C–C
Q.102	A. 3	B. 6
	C. 9	D. 12
O 103	What is the approximate value of the active me	
Q.103	A. 0.07V	B50 mv
	C. 0.05 V	D. Both a and b
O 104		
Q.104	If we add more substrate to already occurring	
	A. denaturation	
		B. saturation
O 105	C. composition  The number of starts involved in beaut best is	D. inhibition
Q.105	The number of stages involved in heart beat is	D 2
	A. 2	B. 3
0.100	C. 4	D. 5
Q.106	Purple non-sulphur bacteria is an example of v	
	A. Heterotrophic bacteria	B. Saprotrophic bacteria
O 107	C. Chemosynthetic bacteria	D. Photosynthetic bacteria
Q.107	Which of the following types of bacterial repro	
	A. transduction	B. transformation
O 100	C. binary fission	D. conjugation
Q.108	Saponification number describes	
		molecular weight of fatty acid
O 100	C. Acetyl number D. Acid num	nber
Q.109	Who proposed starch sugar hypothesis?	D D:
	A. Sager	B. Dixon
0.110	C. Mohi	D. Drebs
Q.110	Which statement best describes the Hardy-We	
	A. Recessive alleles eventually disappear in large	
	B. Expected frequencies of alleles are impossible	50 BBN 2.10 중 10 0 10 0 10 0 10 0 10 0 10 0 10 0
	C. Dominant alleles become more prevalent in la	
	D. When there is a large population, the mechanism	sm of inheritance does not change
	allele frequencies.	
Q.111	refers to the breakdown or remove	
	A. assembly B. u	ncoating

	C. integration	D. maturation
Q.112	The epididymis, vas deferens, and urethra	a are a series of ducts found in which
	body system?	
	A. Endocrine	B. Lymphatic
	C. Digestive	D. Male reproductive
Q.113	The optimum pH for the functioning of th	ne enzyme pepsin is?
	A. 2	B. 3
	C. 4	D. 5
Q.114	What is the name of the region where do	ible-stranded single circular DNA is
	found in the prokaryotic cell?	4
	A. Proton Nucleus	B. Nucleus
	C. Nucleoplasm	D. Nucleoid
Q.115	Which condition can be explained by Lan	arckism?
	A. How giraffes got their long neck	
	B. How humans lost their tail	
	C. How humans became bipedal	
	D. all of these	
Q.116	The idea that opposed the idea of abiogen	esis was proposed by?
	A. Robert Hooke	B. Robert brown
	C. rudolph Virchow	D. lorenz oken
Q.117	The canal system in sponges develops due	to which of the following?
	A. Porous walls	B. Gastrovascular system
	C. Reproduction	D. Folding of inner walls
Q.118	Which of the following is known as a bony	y joint?
	A. synostosis	B. symphysis
	C. Syndesmosis	D. interosseous membrane
Q.119	Which of the following is not a true chara	
	A. They develop into primary spermatocytes	s through mitosis
	B. They are undifferentiated	
	C. They are germ line cells	
	D. They are haploid	
Q.120	The brain that coordinates skeletal muscl	
	A. Thalamus	B. Amygdala
	C. Hypothalamus	D. Cerebellum
Q.121	Which type of cell would be the most app	
	A. conducting cell	B. pericycle cell
	C. photosynthetic cell	D. all of these
Q.122	What are the end products of the ETC in	
	A. ATP	B. carbon dioxide
0 455	C. water	D. both a and c
Q.123	During transport of carbon dioxide, blood	Parties and the second
	A. Blood buffer	B Neutralization of H <sub>2</sub> CO <sub>3</sub> by Na <sub>2</sub> CO <sub>3</sub>

D. Non-accumulation

## **PHYSICS**

Q.124 Centrifuge is used to purify

A. U

B. H

C. O

D. N

Q.125 The speed v of the waves in the string depends upon the tension F of the string and m, the mass per unit length of the string. It is given by

A.  $v^2 = F/m$ 

B. v = F/m

C.  $v \times m = F$ 

D.  $v = F \times m$ 

Q.126 Momentum of a photon is

A. 0

Β. α

C. hf/c

D. mv

Q.127 The SI Unit for resistance is?

A. Ohm

B. Ampere

C. Watt

D. Volts

Q.128 The displacement has

A. magnitude only

B. direction only

C. magnitude and direction

D. no unit

Q.129 The mutual induction happens in

A. AC generator

B. DC generator

C. Battery

D. Transformer

Q.130 During the circular path in magnetic field, what is the magnetic force

A. F = Qb

$$B. F = qB^2$$

C.F = qB/v

D. F = qvB

Q.131 Non-inverting amplifier circuits have

A. A very high input impedance

B. A very low input impedance

C. A low output impedance

D. None of the above

Q.132 What will happen in a time of 7 hours, if a radioactive substance has an average life of 7 hours?

A. Half of the active nuclei decay

B. Less half of the active nuclei decay

C. More than half of the active nuclei decay

D. Total nuclei decay

Q.133 Electric power is

A. Rate of electric work done per unit time

B. Voltage per unit time

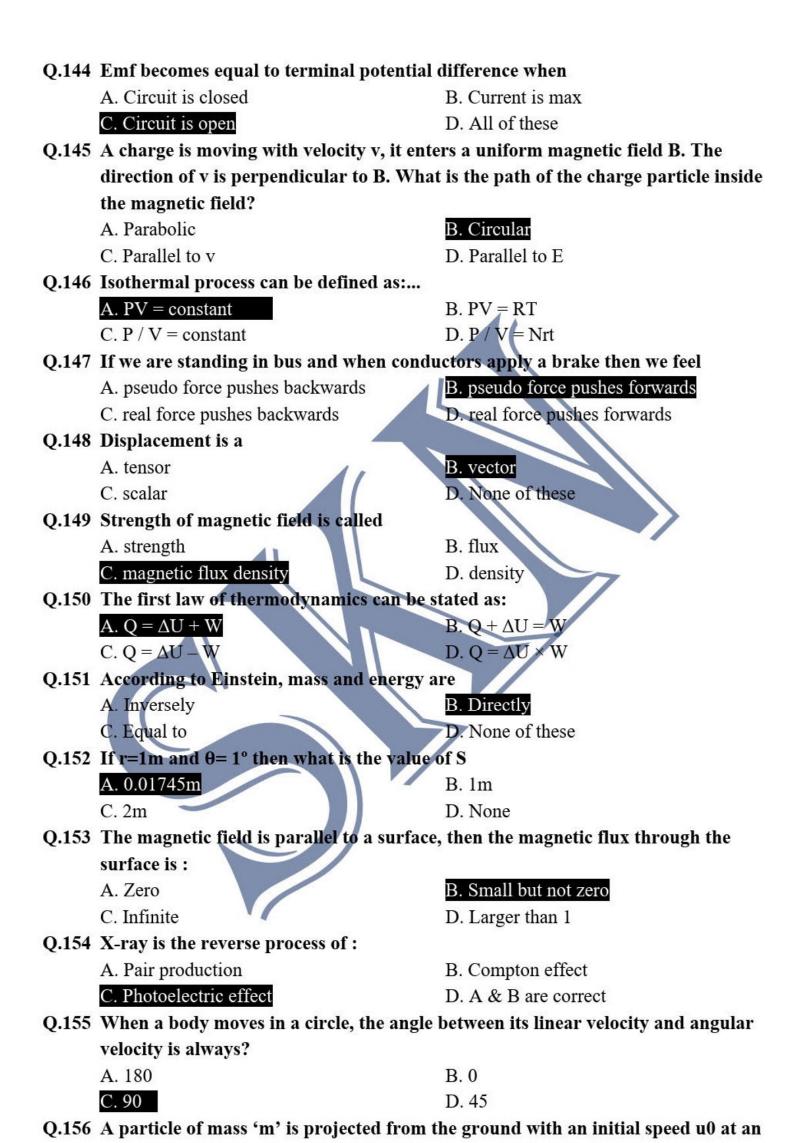
C. Electric charge per unit time

D. Current per unit time

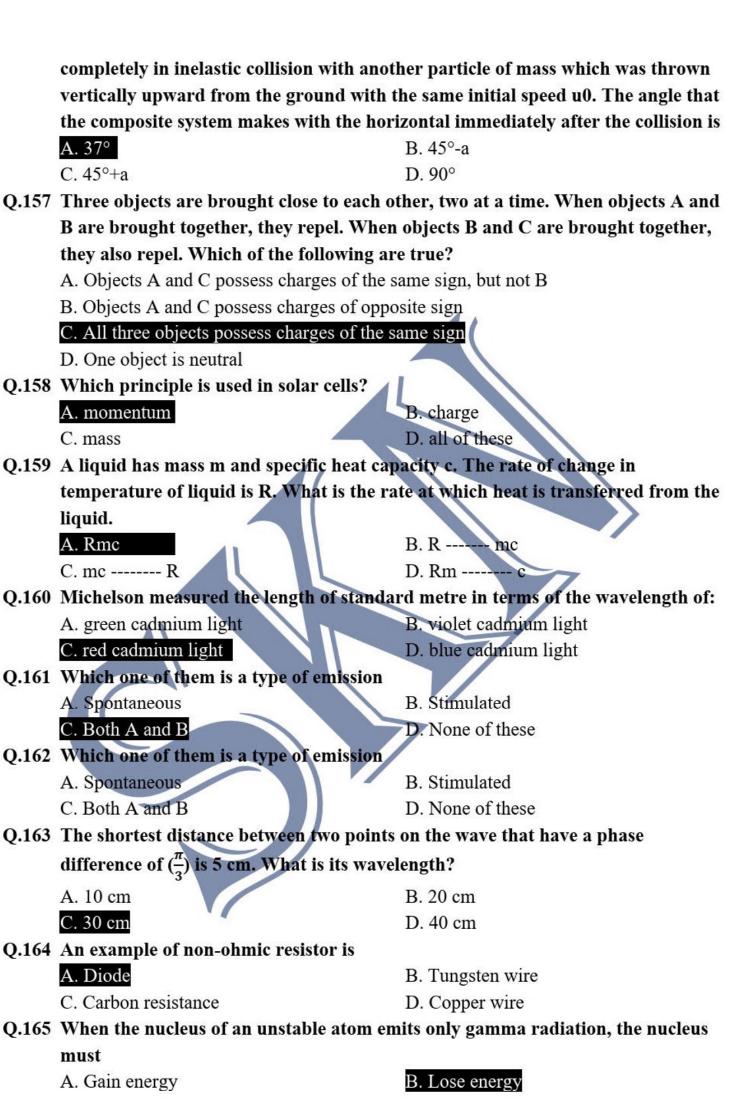
Q.134 A longitudinal wave is moving through a medium. Which of the following statements about direction of propagation of wave and displacement of the medium is true?

A. Displacement of medium = parallel to the energy transfer direction of propagation of wave = parallel to the energy transfer

	B. Displacement of medium = parallel to the energy transfer direction of propagation		
	of wave = perpendicular to the energy transfer		
	THE STATE OF	icular to the energy transfer direction of	
	propagation of wave = parallel to the e		
		licular to the energy transfer direction of	
	propagation of wave = perpendicular to		
Q.135		n ordinary two diode full wave rectifier	
	because		
	A. It needs much smaller transformer f	or the same output	
	B. No center tap required	4.	
	C. Less PIV rating per diode		
0.426	D. All of the above		
Q.136	Ohm's law is valid when the tempera		
	A. Very low	B. Very high	
0.125	C. Varying	D. Constant	
Q.137	Mass and energy are related to each		
	A. Newton's law	B. Einstein law	
O 120	C. Coulomb law	D. All of these	
Q.136	The nuclear forces are considered as		
	A. Strong force C. Electromagnetic force	B. Weak force D. All of these	
O 130		s, is not affected by the magnetic field?	
Q.137	A. Moving charge	B. Charge in magnetic flux	
	C. Current flowing in conductor	D. Stationary charge	
O.140		ving the direction of propagation of light is	
Q.110	called:	and the uncertain of propagation of against	
	A. Tangent	B. Radius	
	C. Wavelength	D. Ray of light	
Q.141		gas in a container. Then number of moles	
	can be calculated as:		
	A. N + NA	B. NA N	
	C. N NA	D. $N \times NA$	
Q.142	Consider a car is travelling for one h	our. In which of the following cases the	
	average velocity is zero?		
	A. Car travels 20 km due east		
	B. Car travels 60 km due east, then turn	ns around and travels 40 km due west	
	C. Car travels 70 km due east		
	D. Car travels 30 km due west, then tu	rns around and travels 30 km due east	
Q.143	If a half wave rectifier is used to con	vert 50Hz AC into DC, then the number of	
	pulses present in rectifier voltage is		
	A. 25	B. 50	
	C. 100	D. 75	



angle 'a'with the horizontal. At the highest point of its trajectory, it makes a



D. Gain protons

Q.166 Magnetic field lines created by current carrying wire is

C. Lose protons

	11 property 1	and the second of the second o
	A. Helical	B. Elliptical
	C. Hyperbolic	D. Circular
Q.167	Ripple factor of half wave rectifier is	
	A. 1.21	B. 0.8
	C. 0.6	D. 0.4
Q.168	A metal rod of length 4 m , velocity 5m/s a	and magnetic field 0.5 T induced emf is
	A. 10 V	B. 20V
	C. 30V	D. 4V
Q.169	Find the resistance if voltage of the circuit	t is 45 volts and current 30 Amp?
	A. 1.6 ohm	B. 1.5 ohm
	C. 1.7 ohm	D. 1.8 ohm
Q.170	The phase angle between two points is 3 $\pi$	The distance between these points is
	15 cm. What is the wavelength of the wav	e?
	A. 30 cm	B. 45 cm
	C. 5 cm	D. 10 cm
Q.171	Steady current does not change with resp	ect to
	A. conductor	B. source
	C. time	D. potential difference
Q.172	A bullet of mass 10 g leaves a rifle at an in	nitial velocity of 1000 m/s and strikes
	earth at the same level with a velocity of 5	00 m/s. the work in overcoming the
	resistance of air will be:	
	A. 500J	В. 5000Ј
	C. 3750J	D. 475J
Q.173	Voltage in secondary winding is	to current in secondary coil
	A. Directly proportional	B. Inversely proportional
	C. Directly squared proportional	D. Not enough information
Q.174	In a periodic wave, the distance between s	econd and fifth crests is 15 cm, what is
	the wavelength of the wave?	
	A. 45 cm	B. 5 cm
	C. 1/5 cm	D. 1/3 cm
Q.175	What is the de Broglie wavelength associa	ted with an electron, accelerated
	through a potential difference of 200 volts	3?
	A. 1nm	B. 0.5nm
	C. 0.0056 nm	D. 0.086 nm
Q.176	Consider a car is travelling for one hour.	Which of the following trips have the
	same average velocity?	
	A. Car travels 20 km due east and car travels	s 70 km due east
	B. Car travels 40 km due east, then turns aro	ound and travels 20 km due west and car
	travels 20 km due east	
	C. Car travels 70 km due east and car travels	s 40 km due east, then turns around and
	travels 20 km due west	

	D. Car travels 30 km due west, then turns around and travels 30 km due east and car travels 40 km due east, then turns around and travels 20 km due west						
O 177	In a centre tap full wave rectifier if Vm is						
Q.III	The property of the second of	1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×					
	of transformer, the maximum voltage across reverse bias is						
	A. Vm	$B.\frac{Vm}{\sqrt{2}}$					
	C. 2Vm	D. $\frac{Vm}{2}$					
		3					
Q.178	$C^{14}$ has half-life 5700 years. At the end of 11400 years, the actual amount left i						
	A. 0.0625 of original amount	B. 0.5 of original amount					
	C. 0.25 of original amount	D. 0.125 of original amount					
Q.179	Consider two capacitors with capacitance						
	connection will the 4µF capacitor have a greater amount of stored energy than						
	the 2µF capacitor?						
	A. Series	B. Parallel					
	C. Either series nor parallel	D. Neither series nor parallel					
Q.180	Galvanometer is an						
	A. Electromechanical device	B. Electrosolar device					
	C. Electrothermal device	D. None of them					
	ENGI	LISH					
O 181	They have been very close friends until th						
Q.101	A B	C D					
	A. They have been	B. very close friends					
	C. until they quarelled	D. over a petty issue.					
O.182	I English since my childhood.	D. Over a petty issue.					
Q.102	A. study	B am studying					
	C. have been studying	D. studied					
0.183	Some of the books on the table	to me.					
Q.100	A. belong	B. belonging					
	C. belongs	D. was belong					
0.184	Have you the examination?	2. Was colong					
	A. Take	B. Took					
	C. Taken	D. Taking					
0.185	We went to the President as a last						
	A. Recourse	B. Resort					
	C. Resource	D. Resound					
O.186	Mrs Rose planning to do a course in Biolo						
•	A. are planning	B. plans					
	C. with a plan	D. planning					
0.187	There was article about po						
	A. aan	B. an the					
	C. a the	D. aa					

O 100	Which work is NOT in the present tense?					
Q.100	Which verb is NOT in the present tense?  A. She listened	B. She talks				
	C. She waits					
O 100		D. She eats				
Q.189	Choose the correct spelling of the word	D. mottroat				
	A. prettiest	B. prettyest				
0.100	C. pretiest	D. preetiest				
Q.190	Sameer in the p					
	A. run	B. runs				
0.404	C. running	D. walk				
Q.191	My parents near Lah	A A				
	A. living	B. are living				
0.400	C. lives	D. live				
Q.192	Sumaira was surprised when her boss didn't the dinner they had at the					
	restaurant.					
	A. buy	B. pay				
	C. pay for	D. spend				
Q.193		lerably. One has an electric motor, the				
	other runs on oil.					
	A. Different	B. Differentiate				
	C. Differ	D. Difference				
Q.194	Choose the correct sentence.					
	A. Did you know that they're leaving the cit					
	B. Did you know that they're leaving the city for good?					
	C. Did you know that the yre leaving the city for good?					
<del>-</del>	D. Did you know that theyre leaving the city					
Q.195	We havesmall house in	village in				
	Netherlands.					
	A. the ana	B. ana the				
0.404	C. aathe	D. aan the				
Q.196	I'm now going to give you 10 tips for running a really successful web					
	site.	D. Control of the Con				
	A. invaluable	B. valueless				
0.405	C. unworthy	D. unprofitable				
Q.197	Choose the correct sentence.	1				
	A. "Trust me, I know what I'm doing," Bilal said. "Your car is not hard to fix."					
	B. "Trust me, I know what I'm doing," Bilal said. "your car is not hard to fix."					
	C. "Trust me I know what Im doing," Bilal said. "Your car is not hard to fix."					
0.400	D. "Trust me, I know what I'm doing," Bilal said. Your car is not hard to fix.					
Q.198	They will bake the pies. Which tense is used here?					
	A. Present	B. Past				
0.400	C. Future	D. Universal				
Q.199	None of them able to solve this quest	non.				

A. is B. were

C. was D. would be

#### Q.200 If I had been thirsty I would have drank the lemonade without waiting for

A B C

you.

A. If i had been thirsty B. I would have

C. drank the lemonade D. without waiting for you.

### **LOGICAL REASONING**

#### Q.201 Statement

The Statement There is an unprecedented increase in migration of villagers to urban areas as repeated crop failure has put them into precarious financial situation.

**Courses of Action** 

- I. The villagers should be provided with alternate source of income in their villages which will make them stay put.
- II. The migrated villagers should be provided with jobs in the urban areas to help them survive

A. Both of them follows

B. None of them follows

C. Only I follows

D. Only II follows

#### Q.202 Statement:

- I. There is unprecedented increase in the number of young unemployed in comparison to the previous year.
- II. A large number of candidates submitted applications against an advertisement for the post of manager issued by a bank.

#### 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.203 Fact 1: A boy have a four cars

Fact 2: Two of the cars are red

Fact 3: He have one sports car

If the above three statements are facts than which of the following statement will also be a

fact I. The boy have red sports car

II. He have 2 corolla

III. His favorite color is red

A. Only I and II

B. Only II

C. Only III

D. None of the statement is a fact

Q.204 Statements: Some papers are pens. Angle is a paper.

Conclusions:

I. Angle is not a pen.

TT	A	1 - 1 -	- T	TACE
11.	Ang	ie is	ar	LIN

A. Only conclusion II follows

B. Either I or II follows

C. Neither I nor II follows

D. Both I and II follows

#### **O.205 Statement:**

- I. The farmers have decided against selling their Kharif crops to the government agencies.
- II. The government has reduced the procurement price of Kharif crops starting from last month to the next six months.
- 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 A competition always has

A. Reward

B. Rivals

C. Spectators

D. Referee

Q.207 Which word does NOT belong with the others?

A. index

B. glossary

C. chapter

D. book

Q.208 Children are in pursuit of a dog whose leash has broken. James is directly behind the dog. Ruby is behind James. Rachel is behind Ruby. Max is ahead of the dog walking down the street in the opposite direction. As the children and dog pass, Max turns around and joins the pursuit. He runs in behind Ruby. James runs faster and is alongside the dog on the left. Ruby runs faster and is alongside the dog on the right. Which child is directly behind the dog?

A. James

B. Ruby

C. Rachel

D. Max

Q.209 Directions: In each of the following questions a statement is given, followed by two conclusions, Give answer:

Statement: Without reforming the entire administrative system, we cannot eradicate corruption and prejudice from the society.

Assumptions:

- I. The existence of corruption and prejudice is good.
- II. There is enough flexibility to change the administrative system.

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.210 Complete the series A25, B625, C15625,

A. D390625

B. D364748

C. D390524

D. D390525

MUST FOLLOW SKN REAL PAGE FOR COMPLETE 36 PMC PAID TESTS