

# PMC PRACTICE TEST 10

## CHEMISTRY

- Q.1 Thermochemistry is very important to learn about  
A. Chemical Equilibrium  
B. Chemical Bonding  
C. Heat contents of a compound  
D. All of these
- Q.2 Positive rays are produced when \_\_\_\_\_ strike the molecules of a gas in a discharge tube  
A. low speed neutrons  
B. high speed neutrons  
C. low speed electrons  
D. high speed electrons
- Q.3 If both alkyl groups attached to carbonyl in ketone are same then it is called as \_\_\_\_\_?  
A. Mixed  
B. Unsymmetrical  
C. Symmetrical  
D. None of these
- Q.4 Which of the carboxylic acid in diluted form is used as vinegar?  
A. Formic acid  
B. Acetic acid  
C. Benzoic acid  
D. Amino acid
- Q.5 Which of the uranium isotope have larger mass.  
A.  $6.22 \times 10^{23}$  atoms of U - 235  
B.  $6.22 \times 10^{23}$  atoms of U - 238  
C.  $6.22 \times 10^{23}$  atoms of U - 234  
D. all of these
- Q.6 H-bonding is a type of \_\_\_\_\_?  
A. Chemical bonding  
B. Ion dipole force  
C. Dipole-dipole force  
D. Polar force
- Q.7 Strong Electrolytes are those which ionizes  
A. Slowly  
B. Do not ionize  
C. Ionize rapidly  
D. None of these
- Q.8 The reaction in which one of the group of a compound is replaced by another group of atoms is called as \_\_\_\_\_?  
A. Substitution  
B. Elimination  
C. Addition  
D. Condensation
- Q.9 Organic compounds are \_\_\_\_\_?  
A. Inorganic  
B. Polar  
C. Ionic  
D. Non-Polar
- Q.10 In IUPAC nomenclature alkyl halides are named as \_\_\_\_\_?  
A. Alkyl Halogens  
B. Halogen Alkanes  
C. Haloalkanes  
D. Alkyl halides
- Q.11 The second ionization potential of alkali metals are very high due to  
A. Being s-block elements  
B. Inert gas configurations  
C.  $ns^1$  electronic configuration  
D. Being metals
- Q.12 Following is termed as hydroxyl derivative of benzene  
A. Benzyl chloride  
B. Benzyl alcohol  
C. Phenols  
D. Carboxylic acids
- Q.13 Rate of reaction can be calculated by calculating  
A. Change in temperature  
B. Change in pressure  
C. Change in volume  
D. Change in concentration
- Q.14 Molecules that have high molecular mass and consist of large number of atoms are called as \_\_\_\_\_?  
A. Micro molecules  
B. Macromolecules  
C. Polypeptides  
D. Carbohydrates
- Q.15 Paramagnetic behavior of transition elements is due to presence of \_\_\_\_\_?  
A. s electrons  
B. Unpaired electrons  
C. Paired electrons  
D. Outer d electrons
- Q.16 Oxidation number of an ion with single element is same as  
A. Ionic radius  
B. Charge on Ion  
C. Number of electrons in ion  
D. Number of protons in ion
- Q.17 All the halogens are \_\_\_\_\_ diatomic molecules  
A. polar  
B. non polar  
C. reactive  
D. non-reactive

- Q.18 Which enzyme is used for diagnosis of Jaundice?**  
 A. LDH<sup>-1</sup> B. Protease  
 C. Alkaline phosphatase D. None of these
- Q.19 Which inert gas is mixed with oxygen gas by deep sea divers to adjust the partial pressure of oxygen gas**  
 A. Neon B. Helium  
 C. Argon D. Krypton
- Q.20 In nomenclature, aldehyde group in all aldehydes are given position 1 and its position is not mentioned in the name because?**  
 A. Aldehyde is given priority B. Aldehyde is parent  
 C. Aldehyde group is present at terminal D. None of these
- Q.21 In SN<sub>2</sub> reaction, Nucleophile attacks on the electrophilic carbon?**  
 A. From the side of leaving group B. Opposite to leaving group  
 C. In front of leaving group D. Below leaving group
- Q.22 The nature of Binding Force in Ionic Crystals is**  
 A. Magnetic B. Repulsive  
 C. Electrostatic D. Weak
- Q.23 Isoenzymes catalyze \_\_\_\_\_?**  
 A. Catalyze different reaction  
 B. Catalyze same reaction  
 C. Catalyze any reaction  
 D. Catalyze reactions that are from different reactions
- Q.24 A naphthol has**  
 A. Alcoholic OH B. -CHO  
 C. -COOH D. Phenolic - OH
- Q.25 Evaporation is reverse of \_\_\_\_\_?**  
 A. Sublimation B. Freezing  
 C. Melting D. Condensation
- Q.26 dx/dt is rate of reaction expression where dx is**  
 A. Concentration B. Change in Concentration  
 C. Very small change in Concentration D. All of these
- Q.27 Cooling is caused by**  
 A. Vapor pressure B. Evaporation  
 C. Freezing D. None of these
- Q.28 Electron affinity is the measure of \_\_\_\_\_ for extra electron**  
 A. repulsion of electron B. attraction of electron  
 C. attraction of nucleus D. repulsion of nucleus
- Q.29 Heat of solution for NaCl is**  
 A. High B. Low  
 C. Zero D. One
- Q.30 Liquid crystal is discovered by**  
 A. Friedrich Reinitzer B. William crooks  
 C. Bravis D. J J Thomson
- Q.31 Which of the following compounds can show metamerism?**  
 A. Aldehydes B. Carboxylic acids  
 C. Alcohols D. Ketones
- Q.32 State functions are independent of**  
 A. Enthalpy Change B. Surroundings  
 C. Path of the reaction D. system
- Q.33 1st series of transition elements start from?**  
 A. Sc B. Y  
 C. La D. Cd
- Q.34 When acetylene react with ammoniacal solution cuprous chloride which color of acetylde is formed?**  
 A. White B. Red  
 C. Brown D. Pink
- Q.35 X-ray work in 20th century shows that diameter of the atoms are of the order**  
 A. 0.1nm B. 0.2nm  
 C. 0.3nm D. 0.4nm



- Q.36** Volume factor can appear in equilibrium constant expression in  
 A. Denominator  
 B. Numerator  
 C. Both A and B  
 D. Only in Numerator
- Q.37** \_\_\_\_\_ is used to measure atomic radii  
 A. Gamma rays  
 B. Alpha rays  
 C. X-rays  
 D. Beta rays
- Q.38** Critical pressure of Argon(Ar) is  
 A. 48 atm  
 B. 33.5atm  
 C. 111.5atm  
 D. 73. Atm
- Q.39** The compounds which have -CN group are called as \_\_\_\_\_?  
 A. Aldehydes  
 B. Imines  
 C. Amines  
 D. Nitriles
- Q.40** How many electrons can an atom accommodate in L-shell  
 A. 2  
 B. 18  
 C. 8  
 D. 32
- Q.41** Which of the following give free radical reaction when react with alkanes?  
 A. Nitric acid  
 B. Oxygen  
 C. Halogen  
 D. All of these
- Q.42** Electrolysis is carried out in  
 A. Beaker  
 B. Flask  
 C. Evaporating Dish  
 D. Electrolytic Cell
- Q.43** Which of the following cannot be prepared directly from acetic acid?  
 A. Ethyl acetate  
 B. Acetamide  
 C. Acetyl Halide  
 D. Acetic anhydride
- Q.44** when water freezes at C, spaces occur between its molecules which results in its \_\_\_\_  
 A. decrease in volume  
 B. decrease in density  
 C. increase in density  
 D. increase in volume
- Q.45** The condition of a system is called as \_\_\_\_?  
 A. Reaction conditions  
 B. Concentration  
 C. State of system  
 D. All of these
- Q.46** Which of the following has anti knocking properties?  
 A. Tetramethyl lead  
 B. Tetraethyl lead  
 C. Iso-octane  
 D. All of these
- Q.47** The oxidation state of transition elements is usually  
 A. Variable  
 B. Constant  
 C. Single  
 D. Infinite
- Q.48** The existence of an element in more than one crystalline forms called  
 A. Isomerism  
 B. Allotropy  
 C. Anisotropy  
 D. All of these
- Q.49** In groups, the removal of electrons from valence shell is easy due to  
 A. addition of electrons  
 B. addition of shells  
 C. increase in nuclear charge  
 D. strong attractive forces
- Q.50** Ice occupies more space than liquid water by \_\_\_\_\_?  
 A. 0.1  
 B. 0.09  
 C. 0.05  
 D. 0.06
- Q.51** The element caesium bears resemblance with  
 A. Ca  
 B. Cr  
 C. Both of the above  
 D. None of the above
- Q.52** The smallest number of molecules are present in  
 A. 3.6g of H<sub>2</sub>  
 B. 4.8g of C<sub>2</sub>H<sub>5</sub>OH  
 C. 2.8 g of CO  
 D. 5.4 g of N<sub>2</sub>O<sub>5</sub>
- Q.53** Energy change is governed by  
 A. Heat  
 B. Work  
 C. Enthalpy  
 D. None of these
- Q.54** In Ion electron method, while balancing oxygen and Hydrogen atoms  
 A. First balance Hydrogen  
 B. First balance oxygen  
 C. balance both at the same time  
 D. order doesn't matter

- Q.55 The catalyst in the formation of ester from alcohol and a weak acid is**  
 A. A base  
 B. Palladium  
 C. Nickel  
 D. A mineral Acid
- Q.56 Which gases are used as mixture for breathing in sea?**  
 A. Oxygen and nitrogen  
 B. Carbon dioxide and oxygen  
 C. Helium and oxygen  
 D. Helium and hydrogen

## BIOLOGY

- Q.57 Factory of ribosomal synthesis is?**  
 A. Cytoplasm  
 B. Nucleus  
 C. Nucleolus  
 D. Endoplasmic reticulum
- Q.58 Which reaction is catalyzed by the enzyme RuBisCO?**  
 A. Carboxylation of ribulose biphosphate (RuBP)  
 B. Conversion of triose phosphate (TP) to ribulose phosphate (RuP)  
 C. Oxidation of glycerate-3-phosphate (GP)  
 D. Reduction of glycerate-3-phosphate (GP)
- Q.59 Which of these is not involved in respiration?**  
 A. Lungs  
 B. Trachea  
 C. Glucagon  
 D. Bronchi
- Q.60 Mutations in the sequence of genes are carried by only**  
 A. Locus  
 B. Population  
 C. Allele  
 D. Genetic sequence
- Q.61 Which one is the basic element found in all organic compounds?**  
 A. Oxygen  
 B. Carbon  
 C. Hydrogen  
 D. All of these
- Q.62 Which two proteins are the major components of myofibrils, allowing for muscle fiber contraction?**  
 A. Myosin and cartilage  
 B. Mylode and myosin  
 C. Lamellae and actin  
 D. Actin and myosin
- Q.63 Which theory tells about adaptation**  
 A. Darwin's natural selection  
 B. Lamarck's theory  
 C. Hardy  
 D. Weinberg's principle
- Q.64 The larger dust particles in the air are trapped by :**  
 A. Hair  
 B. Mucous  
 C. Both A and B  
 D. Larynx
- Q.65 Covalent modification means change in?**  
 A. Chemical properties  
 B. Physical properties  
 C. Bonding on amino acids  
 D. pH of amino acids
- Q.66 Bottlenecks increases the affect of which of the following?**  
 A. Genetic linkage  
 B. Genetic expression  
 C. Genetic diversity  
 D. Gene pool
- Q.67 The non-substrate molecules that binds to the allosteric sites are called?**  
 A. Inhibitors  
 B. Reactants  
 C. Allosteric substrates  
 D. Allosteric modulators
- Q.68 When cocaine is used as a stimulant, it interferes with the CNS at the reuptake of which hormone?**  
 A. Testosterone  
 B. Dopamine  
 C. Serotonin  
 D. Adrenaline
- Q.69 How many laminae present in the spinal cords grey matter?**  
 A. 10  
 B. 8  
 C. 12  
 D. 9
- Q.70 A group of ribosomes attached to mRNA is known as?**  
 A. Polymer  
 B. Polypeptide  
 C. Polysomes  
 D. Monomer
- Q.71 Which is not the characteristic of triploblasts?**  
 A. They may be coelomate pseudocoelomate or acoelomate  
 B. They are included in grade bilateria  
 C. All of them have digestive system  
 D. All of them have blood vascular system



- Q.72 Influenza caused by which virus?**  
 A. Adenovirus  
 B. Pox virus  
 C. Influenza Virus  
 D. Herpes virus
- Q.73 Which statement is incorrect about ethylene production?**  
 A. Climacteric is burst of respiratory activity in fruit ripening  
 B. It is associated with ethane production  
 C. It helps in fruit ripening  
 D. It helps in fruit set
- Q.74 Which lobe is involved in short-term memory, speech, musical rhythm and some degree of smell recognition?**  
 A. Frontal  
 B. Parietal  
 C. Temporal  
 D. Occipital
- Q.75 The body of which of the following organism is globular?**  
 A. Cake urchin  
 B. Sea urchin  
 C. Sea cucumber  
 D. Brittle star
- Q.76 Which of the following is involved in sleeping and waking?**  
 A. Thalamus  
 B. Brain stem  
 C. Hypothalamus  
 D. Cerebellum
- Q.77 Which statement is incorrect?**  
 A. Homologous organs are functionally different but structurally alike  
 B. Examples of homologous structures are arms of man, forelimb of cat, flipper of whale  
 C. Examples of analogous structures are wings of bats, birds and insects  
 D. Analogous organs are functionally different but structurally alike
- Q.78 Which of the following is not present in mitochondria?**  
 A. Enzymes  
 B. Coenzymes  
 C. Ribosomes  
 D. Thylakoid
- Q.79 The cause behind vomiting is:**  
 A. Peristalsis  
 B. Anti peristalsis  
 C. Swallowing  
 D. Hunger pangs
- Q.80 Which characteristic is least likely to affect an organism's biological fitness in the tundra?**  
 A. Exothermic versus endothermic regulation  
 B. Size  
 C. Fur  
 D. Nocturnal versus diurnal activity
- Q.81 How much of the body heat is produced by muscle tissue?**  
 A. 15%  
 B. 30%  
 C. 55%  
 D. 85%
- Q.82 Which of the following would not be found in a prokaryotic cell?**  
 A. Mitochondria  
 B. RNA  
 C. Ribosomes  
 D. Plasma membrane
- Q.83 The amount of oxygen in exhaled air is:**  
 A. 21%  
 B. 16%  
 C. 79%  
 D. 4%
- Q.84 A disc-like protein that is centrally found in sarcomeres is:**  
 A. H line  
 B. Z line  
 C. M line  
 D. I line
- Q.85 The reversible inhibitors usually constitute which of the following?**  
 A. No Linkage with enzyme  
 B. Strong linkage with enzyme  
 C. Medium linkage  
 D. Weak linkage with enzyme
- Q.86 Which of the following combination is an example of self-replicating organelles?**  
 A. Mitochondria and Ribosomes  
 B. Mitochondria and Nucleus  
 C. Mitochondria and Vacuole  
 D. Mitochondria and Chloroplast
- Q.87 This is non-reducing sugar**  
 A. Maltose  
 B. Lactose  
 C. Cellobiose  
 D. Sucrose
- Q.88 Some bacteria have heat resistant organelles called as**  
 A. Spores  
 B. Cysts  
 C. Granules  
 D. All of Above
- Q.89 Virus attachment requires energy?**  
 A. Yes  
 B. No

- C. Provided by cell usually  
D. Provided by virus machinery
- Q.90 The cells that secrete testosterone**  
A. Nerve cells  
B. Fat cells  
C. Muscle cells  
D. Interstitial cells
- Q.91 Enzymes showing substrate specificity are specific to how many substrates?**  
A. 1  
B. 3  
C. 2  
D. 4
- Q.92 Which of the following scenarios gives both sons and daughters the SAME probability of being born with a disease?**  
A. The disease is X-linked dominant. A heterozygous mother is crossed with a healthy father.  
B. The disease is X-linked dominant. A heterozygous mother is crossed with a father with the disease.  
C. The disease is X-linked recessive. A mother with the disease is crossed with a healthy father.  
D. The disease is X-linked recessive. A heterozygous mother is crossed with a healthy father.
- Q.93 The brain portion that is reduced in humans is:**  
A. Forebrain  
B. Midbrain  
C. Hindbrain  
D. Limbic system
- Q.94 Refers to the final changes within an immature virion that result in an infectious virus particle**  
A. Assembly  
B. Coating  
C. Integration  
D. Maturation
- Q.95 Enzymes which are involved in transfer of electrons are known as?**  
A. Oxidases  
B. Dehydrogenases  
C. Hydrolyses  
D. Both A and B
- Q.96 A man with type AB blood marries a woman with type A blood. Which of the following blood types might their sons inherit?**  
A. Type A or type O  
B. Type B or type O  
C. Type AB only  
D. Type A, type B, or type AB
- Q.97 Adaptations that an organism acquires by its own actions are which of the following?**  
A. Heritable  
B. Non heritable  
C. Both a and b  
D. Acquired
- Q.98 In myelinated neurons the impulse jumps from node to node, what is this transmission called?**  
A. Myelinated impulse  
B. Jumping impulse  
C. Saltatory impulse  
D. All of these
- Q.99 Enzymes do not change which of the following?**  
A. Conc. of reactants  
B. Conc. of products  
C.  $K_{eq}$   
D. Both a and b
- Q.100 Which of the statement about cell membrane is not true?**  
A. It contains protein molecules embedded in lipid bilayer  
B. It is a differentially permeable membrane  
C. It contains charged pores thus ions being charged particles across cell membrane much easier than neutral particles.  
D. It may get infolded to engulf solid or liquid material
- Q.101 Select the function/s of male reproductive system:**  
A. To produce enzymes  
B. To transfer sperms to the female  
C. To produce sperms  
D. Both B and C are correct
- Q.102 When was the presence of small filter passing, ultramicroscopic agent in yellow fever disease was discovered?**  
A. 1989  
B. 1901  
C. 1900  
D. 1889
- Q.103 Which of the following combinations is incorrect?**  
A. Nematoda- roundworms, pseudocoelomate  
B. Echinodermata- coelom present, bilateral symmetry  
C. Platyhelminthes- gastrovascular cavity, flatworms, acoelomate  
D. Calcarea- gastrovascular cavity, coelom present



- Q.104 Viviparous animals are those in which?**  
 A. Internal fertilization with external development in eggs  
 B. Internal fertilization and internal development followed by hatching of egg  
 C. External fertilization with external development  
 D. Internal fertilization with internal development inside female body
- Q.105 Choose one of the actions caused by skeletal muscle:**  
 A. Constriction of blood vessel  
 B. Heartbeat  
 C. Dilation of pupil  
 D. Eye movements
- Q.106 The most common cause of cancer-related deaths is**  
 A. Prostate cancer  
 B. Kidney cancer  
 C. Lung cancer  
 D. Skin cancer
- Q.107 The structures of the front flipper of a whale and the forearm of a wolf have similar bone structure and derive from a common ancestor. This is an example of which of the following?**  
 A. Convergent evolution  
 B. Analogous structures  
 C. Homologous structures  
 D. Bottleneck affect
- Q.108 The auditory relay center is found in:**  
 A. Corpus callosum  
 B. Hindbrain  
 C. Forebrain  
 D. Midbrain
- Q.109 Which one of the following is least likely to occur in a boy during puberty?**  
 A. His voice deepens  
 B. Hair grows on the chest and under the arms  
 C. Sperm starts to be produced  
 D. His hair turns grey
- Q.110 Which one of the following is least likely to occur in a boy during puberty?**  
 A. His voice deepens  
 B. Hair grows on the chest and under the arms  
 C. Sperm starts to be produced  
 D. His hair turns grey
- Q.111 The experiment that simulated conditions thought to be present on the early earth**  
 A. Hershey Chase experiment  
 B. Geiger Marsden experiment  
 C. Schiehallion experiment  
 D. Miller-Urey experiment
- Q.112 Lymph capillaries join together to form larger lymph vessels, that gives rise to:**  
 A. Thoracic duct  
 B. Lymph duct  
 C. Thoracic lymph duct  
 D. Sperm duct
- Q.113 For a protein molecule of 2000 amino acids, the mRNA will have a length of how many nucleotides?**  
 A. 3000  
 B. 2000  
 C. 6000  
 D. 5000
- Q.114 Which term is used to refer to an inactive enzyme precursor?**  
 A. Apoenzyme  
 B. Null enzyme  
 C. Zymogen  
 D. Inhibitor
- Q.115 Which of the following is not a risk factor for miscarriage?**  
 A. Advanced maternal age  
 B. Tobacco use  
 C. Obesity  
 D. Use of prenatal vitamins
- Q.116 Viroids lacks**  
 A. RNA  
 B. Enzyme  
 C. Protective protein coat  
 D. All of these
- Q.117 Which substances can cross plasma more easily?**  
 A. Starch  
 B. Protein  
 C. Lipid soluble  
 D. Ions
- Q.118 Flame cells are the excretory structures for which of the following?**  
 A. Annelida  
 B. Coelenterates  
 C. Echinodermata  
 D. Platyhelminthes
- Q.119 The process of inspiration occurs as:**  
 A. Lungs pull air inside  
 B. Passive transport of air takes place  
 C. Passive expansion of air takes place  
 D. Air is pushed inside

- Q.120** The viral DNA or RNA is protected by  
 A. Shell of lipids  
 B. Shell of proteins  
 C. Shell of carbohydrates  
 D. Shell of amino acids
- Q.121** The several distinct arrangements of cocci is based on their  
 A. Long chain of cells  
 B. Planes of division  
 C. Grape like clusture shape  
 D. All of Above
- Q.122** Assume that blood type is not a sex-linked trait. A mother with genotype "A/O" and a father with genotype "A/B" could NOT have a child with which blood type?  
 A. A  
 B. B  
 C. AB  
 D. O
- Q.123** What is the chemical characteristic of auxlins?  
 A. Indole propionic acid  
 B. Indole carboxylic acid.  
 C. Indole acetaldehyde  
 D. Indole acetic acid.
- Q.124** Which of these is not a part of murein?  
 A. Polypeptides  
 B. Amino acids  
 C. Proteins  
 D. Glycans

## PHYSICS

- Q.125** Two travelling waves of the same frequency, same amplitude and travelling in opposite direction results in:  
 A. Beats  
 B. Standing waves  
 C. Diffraction  
 D. None of these
- Q.126** The principle of a direct current generator is based on  
 A. Coulomb's Law  
 B. Ampere's Law  
 C. Faraday's Law  
 D. Lenz's Law
- Q.127** Wave nature of He atom is similar to  
 A. Alpha rays  
 B. Beta rays  
 C. Gamma rays  
 D. X-rays
- Q.128** In wave motion the least distance between two points which are out of phase is  
 A.  $\lambda$   
 B.  $3\lambda$   
 C.  $4\lambda$   
 D.  $\lambda/2$
- Q.129** Angular displacement is a:  
 A. Vector quantity  
 B. Scalar quantity  
 C. Neither scalar nor vector quantity  
 D. None of these
- Q.130** Work done by conservative force is  
 A. Reversible  
 B. Non reversible  
 C. Can be both  
 D. None of them
- Q.131** Rate of change in displacement is known as:  
 A. Speed  
 B. Velocity  
 C. Acceleration  
 D. Momentum
- Q.132** Can we see magnetic flux lines?  
 A. Yes  
 B. No  
 C. Depends on strength of field  
 D. Only when the field is large
- Q.133** In Thermodynamics zeroth law is related with  
 A. Work  
 B. Energy  
 C. Thermal equilibrium  
 D. Entropy
- Q.134** What is the unit of decay constant?  
 A. Second  
 B. Minute  
 C. Hour  
 D.  $\text{sec}^{-1}$
- Q.135** When a wave comes across the boundary of two media, a part of it is reflected back. Which statement is true about reflected wave:  
 A. Its wavelength changes depending on the nature of the boundary  
 B. Its frequency changes depending on the nature of the boundary  
 C. Its amplitude increases depending on the nature of the boundary  
 D. Its phase may changes depending on the nature of the boundary









- Q.170** A stationary wave is formed in a pipe which is open at one end. If two complete loops are formed and the wavelength of the wave is 10 cm, what is the length of the pipe?  
 A. 10 cm  
 B. 15 cm  
 C. 12.5 cm  
 D. 7.5 cm
- Q.171** If  $^{238}\text{U}$  decay two gamma particles the new atomic number will be  
 A. 238U  
 B. 234U  
 C. 237U  
 D. None of these
- Q.172** If the temperature of Sun is doubled heat energy reached on earth become  
 A. Three times  
 B. Sixteen times  
 C. Four times  
 D. Same
- Q.173** The energy input to an engine is 60 J, and the work it performs is 15 J. What is its thermal efficiency?  
 A. 4.00  
 B. 1.00  
 C. 0.25  
 D. Impossible to determine
- Q.174** The angular acceleration is maximum when  
 A.  $r = \text{maximum}$   
 B.  $r = 0$   
 C.  $r = 1$   
 D. None of these
- Q.175** 1 weber is equal to  
 A. 10 Gauss  
 B.  $10^8$  Maxwell  
 C.  $10^{-4}$  Gauss  
 D.  $10^4$  Maxwell
- Q.176** Which of the following statements is incorrect about the photons?  
 A. Momentum of photon  $h/\lambda$   
 B. Rest mass of photon is zero  
 C. Photon exerts no pressure  
 D. Energy of photon is  $h\nu$
- Q.177** If displacement-time graph is a curve, which of the following is correct:  
 A. Area under graph represents displacement  
 B. Gradient of the graph is constant  
 C. Gradient of the tangent of graph represents acceleration  
 D. Gradient of the tangent of graph represents velocity
- Q.178** A ball is released from the top of the tower, the ratio of work done by the gravity in first, second and third second of the motion  
 A. 1 : 2 : 3  
 B. 1 : 4 : 9  
 C. 1 : 3 : 5  
 D. 1 : 5 : 3
- Q.179** Whenever new nuclei are formed energy is  
 A. Absorbed  
 B. Released  
 C. Remain unchanged  
 D. None of these
- Q.180** If a cell of emf 2V and internal resistance 0.5 ohm is connected across a resistance R, the current that flows is same as that when a cell of emf 1.5 V and internal resistance 0.3 ohm is connected across the same resistor. Then  $R = \underline{\hspace{2cm}}$  Ohm.  
 A. 0.3  
 B. 0.6  
 C. 0.5  
 D. 0.75

## ENGLISH

- Q.181** Bilal has \_\_\_\_\_ terrible headache.  
 A. a  
 B. an  
 C. the  
 D. no article
- Q.182** Plenty of mangoes and bananas \_\_\_\_\_ available in this season.  
 A. is  
 B. are  
 C. was  
 D. were
- Q.183** Choose the correct sentence.  
 A. I think june is the hottest month.  
 B. I think june is the hottest month.  
 C. I think June is the hottest month.  
 D. I think June is the hottest month.
- Q.184** Choose the correct spelling of the word  
 A. shoose  
 B. shoes  
 C. shews  
 D. sheos
- Q.185** There \_\_\_\_\_ (be) a lion tamer.  
 A. is  
 B. be  
 C. was  
 D. been

- Q.186 Choose the correct sentence.**  
 A. The train stopped at Karachi, Hyderabad, Bahawalpur, Multan and Lahore before it reached Rawalpindi.  
 B. The train stopped at Karachi, Hyderabad, bahawalpur, Multan and Lahore before it reached rawalpindi.  
 C. The train stopped at Karachi Hyderabad Bahawalpur, Multan and Lahore before it reached Rawalpindi.  
 D. The train stopped at Karachi, Hyderabad, Bahawalpur multan and Lahore before it reached rawalpindi.
- Q.187 The police \_\_\_\_\_ released any information about the case.**  
 A. have  
 B. had  
 C. hasn't  
 D. haven't
- Q.188 Neither the explorer nor his companions \_\_\_\_\_ ever seen again.**  
 A. is  
 B. are  
 C. was  
 D. were
- Q.189 how are**  
 A. howre  
 B. how'te  
 C. ho'wre  
 D. how're
- Q.190 He is very \_\_\_\_\_, he believes everything.**  
 A. fallible  
 B. sensible  
 C. credible  
 D. gullible
- Q.191 I had just entered (A) / the station (B) / than I met (C) / my friends (D).**  
 A. I had just entered  
 B. the station  
 C. than I met  
 D. my friends.
- Q.192 Here \_\_\_\_\_ the bus!**  
 A. came  
 B. come  
 C. has come  
 D. comes
- Q.193 The Prime Minister is a very \_\_\_\_\_ man. Everyone follows his orders.**  
 A. powerful  
 B. circular  
 C. direct  
 D. painful
- Q.194 I bought \_\_\_\_\_ umbrella to go out in the rain.**  
 A. a  
 B. an  
 C. the  
 D. no article
- Q.195 Should I wear my joggers or my \_\_\_\_\_?**  
 A. cardigan  
 B. shorts  
 C. scarves  
 D. trainers
- Q.196 \_\_\_\_\_ ozone layer will disappear if we don't find \_\_\_\_\_ way to save it.**  
 A. The...the  
 B. The...an  
 C. The..a  
 D. A... a
- Q.197 The doctors tried everything they could to ..... the patient's blood pressure.**  
 A. produce  
 B. reduce  
 C. clarify  
 D. hasten
- Q.198 Choose the correct sentence.**  
 A. The Return of the King which is a popular movie made a huge amount of money  
 B. "The Return of the King", which is a popular movie made a huge amount of money.  
 C. "The Return of the King", which is a popular movie, made a huge amount of money.  
 D. "The return of the king", which is a popular movie, made a huge amount of money.
- Q.199 Choose the correct spelling of the word**  
 A. knowledgeable  
 B. knowledgable  
 C. knowledgeable  
 D. kowlegable
- Q.200 The police will \_\_\_\_\_ out crimes for years.**  
 A. has been wiping  
 B. have been wiping  
 C. wipes  
 D. wiped



## LOGICAL REASONING

- Q.201** Which one does not belong to others?  
A. Apple  
B. Mango  
C. Cucumber  
D. Orange
- Q.202** Statements:  
I. No cities are countries.  
II. No countries are villages.  
Conclusions:  
I. Some countries are cities.  
II. No villages are the city.  
A. Only conclusion (I) follows  
B. Only conclusion (II) follows  
C. Both conclusions follow  
D. Both of them do not follow
- Q.203** I. There are orders by the high court to clean Karachi.  
II. More than 500 people died in Karachi due to land pollution.  
A. Statement I is the cause and statement II is its effect.  
B. Statement II is the cause and statement I is its effect.  
C. Both statements I and II are independent causes  
D. Both statements I and II are the effects of independent cause.
- Q.204** Statements  
I. All apples are bananas.  
II. No banana is a mango.  
III. Some mangoes are oranges.  
Conclusions  
I. All oranges can never be bananas.  
II. Some mangoes are apples.  
A. Only conclusion (I) follows  
B. Only conclusion (II) follows  
C. Both conclusions follow  
D. Both of them do not follow
- Q.205** Arrange the following words in a meaningful sequence.  
1. Infection 2. Consultation 3. Doctor 4. Treatment 5. Recovery  
A. 1, 3, 4, 5, 2  
B. 1, 3, 2, 4, 5  
C. 1, 2, 3, 4, 5  
D. 2, 3, 5, 1, 4
- Q.206** Statement:  
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 admission 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 follows  
B. Only III and I follow  
C. Only I and II follow  
D. Only I follows
- Q.207** Statement: Should admission to the professional degrees in Pakistan be given only on merit without any concession to any particular group of students?  
Arguments:  
I. Yes. This will improve the quality of the professional institutes and degrees as they will be able to complete the degree successfully.  
II. No. This will keep a large number of socially and economically backward students out of the reach of professional institutes and degrees.  
A. If argument I is strong  
B. If only argument II is strong  
C. If both I and II are strong.  
D. If neither I nor II is strong
- Q.208** Statement:  
I. Assessed the value of tea exports this year over all the earlier years due to an increase in demand for quality tea in the ket.  
II. There is an increase in demand of coffee in the domestic market during the last two years.  
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.209** Here are some words translated from an artificial language. dlonot means oak tree blyonot means oak leaf blycrin means maple leaf Which word could mean "maple syrup"?

- A. blymuth
- B. hupponot
- C. patrician
- D. crinweel

**Q.210** Which country has the most news channels?

- A. Russia
- B. India
- C. Australia
- D. Brazil

**As we know there is lot of mistakes in answer keys of  
PMC Practice tests, so I have decided to rectify all in  
proper in SKN STUDY GROUP**

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