

AMC



Army Medical College

Initial Test Preparation

19,20,21,22 July 2022

From All Centers

200+ Academic Mcqs
Authentic Experience

AMC

آرمی میڈیکل کالج



The Best Coach

Ed

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Longest wavelength of paschen serier?

The Best Coaching Academy

EduSmart

Official Contact: 03066892208

18750 Å



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What is Rydberg constant value?

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EduSmart

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$10973731.6 \text{ m}^{-1}$



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For which two angles range of projectiles would be same?

θ and $90^\circ - \theta$ / 30 and 90 Degree



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Range and height of a projectile are equal at an angle of?

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76 degree



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Which reagent is used for elimination reaction of Haloalkanes?

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Sodium hydroxide



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Peroxisome are commonly found in?

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Liver Cell



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**Story in which animals are character
is called ?**

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Fable



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When the dot and cross product of two vector is same the angle between them is?

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45 Degree



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What is the amount of water produced by combustion of 32g of methane?

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72g



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Total Bones of Cranium?

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8



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he is superior _____ me?

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to



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Artificially active immunity is basically?

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Result of vaccination



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Acid present in sweat?

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Uric acid



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mitochondria is also called?

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Power House of Cell



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formaldehyde don't give aldol condensation.

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Due to absence of α -Carbon



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number of chromosomes in drosophila melanogaster?

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Eight



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Fuel for cellular respiration?

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Glucose



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The chance of boy or girl in pregnancy.

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0.51 / 51%



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54 g of Aluminum and Excess of oxygen gas react to form Aluminum oxide formed. Calculate the mass of Al_2O_3 formed.

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102g



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prokaryotic cell wall is made up of?

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Peptidoglycan



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I was alarmed _____ his death.

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at



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Analytical learning is?

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Traditional Learning



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In urine of mammals

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Uric Acid



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eukaryotic cell wall is made up of?

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Cellulose



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radioactivity was discovered by?

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Henry Becquerel



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the translational motion of an ideal gas depends on

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Temperature



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What is Mendel's law of segregation based on?

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Division of Meiosis



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What is an example of acquired characteristic?

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Blisters



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fluid mosaic model was proposed by?

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Singer & Nicholson



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Is inheritance of acquired characteristics correct?

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disprove



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Which hormone maintains the pregnancy?

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Progesterone



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Which particle has more penetrating power?

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Gamma Rays



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ethyne more reactive than ethene?

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Presence of triple bond



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chemical formula of kaolin is?

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$\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$



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Dipole moment of HCl molecule is

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0.816 D / 1.03 D



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alkanes are insoluble in?

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Water



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Kc value of Dissociation constant of PCL5?

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0.625 mol/L



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**reaction of H_2O with Na_2O_2 is?
Product?**

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Exothermic / NaOH



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Which one of the following has highest hydrogen bonding?

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HF



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What is law of segregation also known as?

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Law of Purity of gametes



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Color blindness is?

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Recessive



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**Which has a higher boiling point
acetic acid or butanoic acid?**

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Butanoic Acid



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formula of energy stored in capacitor?

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$$E = \frac{1}{2} C V^2$$



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electric flux doesn't depends upon?

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Shape & Size of Surface



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significant figures in 0.0000069?

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What enzyme converts nitrate to nitrite?

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Nitrate reductase



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Bursting of tyre is example of which process?

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Adiabatic Process



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What type of force is electromotive force?

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Terminal Potential Difference



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Newton Rings are?

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Circular



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**Newton Rings are formed by
phenomenon?**

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Interference Pattern



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Which one is bilateral symmetry?

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platyhelminthes



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What is the catalyst for zinc and hydrochloric acid?

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Copper powder



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dark reaction occur in which part of chloroplast?

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Stroma



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unit of magnetic flux?

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Weber



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Swing of cricket ball is due to

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Bernoulli's phenomenon



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peroxisomes are most common in?

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Fibroblasts



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Most fungi are decomposers called?

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Saprotrophs



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eukaryotic cell wall is made up of?

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Cellulose



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ATPases are?

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Group of Enzymes



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Energy of electron in

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-13.6ev



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What is a synonym for grifter?

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Scammer



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synonym of happy?

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Delighted



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Dipole moment of HCl molecule is

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1.03 D



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reaction of H_2O with Na_2O_2 is?

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Exothermic



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which is more acidic o-nitrophenol or o-methoxyphenol.

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o-nitrophenol



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What is the molar solubility of PbCl_2 in pure water?

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0.0162 mol/L



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Which reagent is used in dehydrohalogenation?

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Alcoholic KOH



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If %uncertainty in radius of sphere is 2% then % uncertainty in volume would be?

6%

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**in female reproductive system egg
cells develop in the**

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Ovaries



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villi are finger-like projections of?

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Mucosa



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synonym of decrease?

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Wane / Dwindle



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Energy for pair production required

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1.02Mev



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disease which cause angina heart failure and anemia is?

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Obesity



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synonym of unaccountable?

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Inexplicable



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carbonyl group show reactions?

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Nucleophile Addition



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formaldehyde don't give aldol condensation. Why?

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Due to absence of @ Carbon



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**correct spelling? a)farlarn b)forlarn
c)forlorn d)ferlorn**

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Forlorn



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Lovely is an?

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Adjective



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54 g of Aluminium and 320 g of oxygen gas react to form Aluminium oxide formed. Calculate the mass of Al_2O_3 formed.

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102g



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A string of length 5m having 5 loops with tension 250N.what is wavelength?

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2m



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What enzyme causes inflammation?

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Protease / Lipases



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What is the muscularis of the stomach?

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Tunica Muscularis



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Which hormone maintains the pregnancy?

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Progesterone



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How many bones are paired in cranial bones?

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8 Pairs



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Power loss is reduced in Eddy currents by? a)lamination b)iron core c)both

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Both



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.....gold is a precious metal.What comes in blank?

-----gold of Arabia is a precious metal?

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None / The



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What is formula of chromyl chloride?

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CrO_2Cl_2



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Acetylcholine is?

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neurohormone



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Acetylcholinestrerase is?

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enzyme



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63.2% charging of capacitor in....?

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Time constant



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**If car moving with speed
90km/hr.What is distance after 12
minutes?**

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18km



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Which metals will displace hydrogen?

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Zn / Mg / Cr



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In which animal uric acid is excretory product?

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birds



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Ethyle acetate react with grignard reagent methyl magnesium bromide form?

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2-methyl-propane-2-ol



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1propanol and 2propanol exhibit which isomers?

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Position Isomers



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Which of the following has pyramid shape BF_3 PCl_3 CH_4 SnCl_2

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BF_3 Trigonal Planar
 PCl_3 Trigonal pyramidal
 SnCl_2 V shaped
 CH_4 tetrahedral



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distance btw fringe depend on?

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**Wavelength / distance between
screen and slit**



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Dimension of work =?

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Torque



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Why Chromium wire is used in the wire wound resistor?

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Provide high resistance



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Ethene has a diffused sigma bond?

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incorrect



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What is the value drift velocity of electron?

$$10^{-3} \text{m/s}$$



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Area of a coil is $2 \times 10^{-4} \text{ m}^2$, find in cm^2 ?

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2cm²



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Significant number in 0.0045 ?

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2



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When Does Ovulation Occur?

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13-15 Days Before each period



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What is the molality of a solution made by dissolving 3.42 g of table sugar in 50.0 mL of water?

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0.2M



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electric flux doesn't depends upon?

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Shape & Size of Surface



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Split rings are present in?

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DC Motor



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Slip rings are present in?

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AC Generator



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significant figures in 0.0000069?

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2



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The process of fertilization of an egg by a sperm cell typically happens in the?

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Fallopian Tube



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value of lyman series?

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$$n \geq 2 \text{ to } n = 1$$



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What is the length of second pendulum on earth?

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1m



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What is the length of pendulum which time period is 2 second?

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99.992cm



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carbonyl group show reactions?

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Nucleophilic addition



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ethyl acetate react with grignard reagent methyl magnesium bromide form?

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2-methyl-propane-2-ol



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cobalt is _by nature?

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ferromagnetic



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xerography is used in?

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Photocopier



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the removal of an amino group from a molecule?

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Deamination



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Phenol is acidic because of ?

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Resonance



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Lovely is an?

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Adjective



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which is called as suicide bag ?

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Lysosome



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NaH_4Cl and ZnCl_2 are used as electrolyte in which cell?

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Dry Cell



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Which of the following Cannot be oxidized to give carboxylic acid?

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Acetone



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Rh blood group system is encoded by three genes C, D and E, which occupy two tightly linked loci. Alleles of gene D occupy one locus called locus D, while genes C and E alternatively occupy the other locus. The D locus is of prime importance.



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**Proteins are made from amino acids
by the process of?**

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Transcription / Translation



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What are the chances of having boy or girl in Pregnancy?

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50% Boy



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Synonyms of Inconsequently?

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Insignificantly



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How many alleles are involved in Rh factors?

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2



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For an RLC circuit, the maximum current occurs on resonance, when the inductive and capacitive reactance are ?

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Equal



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What organic product is formed when a carboxylic acid reacts?

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Ester



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What is the cause of irregular change in the ionization energy of the group 4 element?

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Extra Layer of Electron



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which of the following compound have high lattice energy?

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NaF



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Outer layer of embryo is call?

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Ectoderm



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Emulsification of fat is given by?

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Bile



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β -galactosidase is derived from?

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E-Coli



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CO₂ produced in Krebs Cycle is?

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2 Molecule



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What did Davisson and Germer experiment?

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**Electron diffraction / Wave
Nature of Electron**



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Which Enzymes are synthesized by tRNA?

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Aminoacyl



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biodegradable plastic is made up of ?

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Cyanobacteria



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Flux is maximum at?

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Zero Degree / 90 Degree



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**1propanol and 2propanol exhibit
which isomers?**

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Position Isomers



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Unit of Potential is?

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J/C



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Which of the following is not a function of a lipid?

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Don't act as Catalyst



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Which chloride has high melting point?

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Sodium Chloride



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She is Master _____Painting?

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at



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Capacitive reactance has units of?

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Ohm



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photorespiration is due to?

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Chloroplast / Mitochondria



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Which is absorber of carbon dioxide in Combustion Process?

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50% KOH



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The minimum energy required to remove an electron is called?

Work Function / Ionization Energy



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What is cytochrome c oxidized by?

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**mitochondrial cytochrome
oxidase (COX)**



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heart muscles are also called

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Myocardium



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Cobalt is?

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Ferromagnetic



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