

47. The dot product of a vector with itself gives:

$$\begin{array}{cc} \text{Zero} & , & 1 \\ 2A & , & A^2 \end{array}$$

48. The angular momentum $\vec{L}$ is given by:

$$\begin{array}{cc} m\vec{v} & , & \vec{L} \times \vec{P} \\ \vec{r} \times \vec{P} & , & \vec{r} \times \vec{P} \end{array}$$

49. The dimensions of K.E are:

$$ML^2T^{-2}$$

$$ML^{-2}T^{-2}$$

$$ML^2T^{-1}$$

$$\frac{1}{2} ML^2 T^{-2}$$

50. An alternate unit to kgms^{-1} is:

1. The total transpiration through cuticle is:

5-7 %

1-7 %

5-8 %

2-5 %

2. Covalent bond b/w two monosaccharides is:

Glycosidic bond, peptide bond

Ester bond, Hydrogen bond

3. Parasitic fungi directly absorb the nutrient from living host cytoplasm by:

Roots

Haustroria

44. I was reading a novel when
they — to see me

were coming, came, come, had come

45. They always — back home late

come, are coming, has been come, came

46. If he worked hard, he — the examination

will pass, can pass, would have passed,

would pass.

47. Our clean environment — our clean habits

Reflect, reflects, was reflecting,
is reflecting

36. I began to indolently study disease
lazily, Gladly, Quickly, Indifferently

37. Like a summons ^{to} also of it damnation.

Purgation, Purification, Justification.
Condemnation.

38. He _____ her breakfast at 9 o'clock
had, was having, would have
has had

39. I hope they _____ the city before I
reach there.

will not have left, could not leave,
will not be left, might not leave.

40. I _____ him for many years.

helps, helping, have been helping,
help

41. He _____ to college daily in time

Go, Goes, going, gone.

42. They _____ him two days ago.

Bury, buried, will bury, had buried.

8. Average translational K.E of mol. in a gas at temp. 27°C .

$6.21 \times 10^{-21} \text{ J}$, $6.21 \times 10^{-23} \text{ J}$, $6.21 \times 10^{-26} \text{ J}$,
 $6.21 \times 10^{-26} \text{ J}$.

9. Types of waves used in "Sonar" are:

Sound waves, matter waves, water waves,

Electromagnetic waves

10. One complete round trip of a vibrating body is called —

a) frequency Time period Vibration
Amplitude.

11. The value of solar constant is

1.4 kW m^{-2} , 1.0 kW m^{-2} , 4.1 kW m^{-2} , 0.1 kW m^{-2}

12. The working carburetor of a car uses:

Equation of continuity, Gravitational law,

Bernoulli's theorem, Stoke's theorem

34. Aquatic arthropods respire through:

Lungs , Skin

Gills , Spiracles

35. Example of soil dwelling carnivorous fungus is:

Arthrobotrys

Armillaria

Pleurotus

Penicillium

36. Breakdown of alveoli of lungs is called:

Asthma

Tuberculosis

40. The drying agent used in desiccator:

Sodium chloride

Potassium chloride

Calcium chloride ✓

Lithium chloride

41. Which of the following is not an isomorphous pair?

Na_2CO_3 , CaCO_3 ✓

, NaF , MgO

K_2SO_4 , $\text{K}_2\text{Cr}_2\text{O}_7$

, Zn , Cd

42. Molarity of pure water is:

1

55.5 ✓

18

6

43. Iodine dissolves in water in presence of KI due to formation of which of the following species:

I_2

I^-

I^+

I_3^-

15. The term "lodicule" refers to

Bract

Bracteoles

Perianth

calyx

16. Who proved that micro-organisms could cause disease?

Louis Pasteur

A.V. Levenhooke

Robert Koch

Robert Hooke

17. The intestinal parasite causes amoebic dysentery in humans is:

Trichonympha

Acanthamoeba

Entamoeba histolytica

Pelomyxa palustris

18. Circinate venation refers to:

Leaf venation

development pattern of leaf, leaf arrangement of stem

19. The cleavage in which lines or planes of cleavage are asymmetrical b/w poles is:

spiral & determinate

Radial & determinate

spiral & pre-determinate

2. Orbitals having same energy are

called as :

Hybrid orbitals, valence orbitals

20. Instrument used to measure relative abilities of pigments to absorb different wavelengths of light is:

Spectrophotometer, Thermometer
Sphmerometer, photometer.

21. Non-protein part of an enzyme is called:

Co-factor, Activator
prosthetic group, Vitamins

22. The cellular respiration is directly involved in production of:

Energy, Amino acids

Glucose, Proteins

23. When oxygen tension is 115 mm of mercury then haemoglobin saturation is:

100%, 98%

78%, 68%

Physics

1. One tera is equal to _____

10^{10} , 10^9 , 10^{12} , 10^{15}

2. Value of constant " γ " for diatomic gas is:

1.67, 1.29, 1.45, 1.40

3. Commercial unit of electric energy is:

Killowatt hour, watt, watt hour, Killowatt.

4. International telecommunication satellite organization operates at microwave frequencies of

A) 4, 6, 8, & 10 Hz, 4, 6, 11, & 14 Hz
4, 6, 8 & 12 Hz, 4, 8, 11 & 16 Hz

5. The lower reading of Blood pressure is called
Systolic, diastolic, Normal, Non-normal.

6. An example of base quantity —
Area, Volume, length, Velocity

5. The number of moles of CO_2 which contain 8.0 g of oxygen.

0.25 ✓

0.50

1.0

1.50

6. Maximum no. of electron in an orbital :

8

6

10

2 ✓

7. A real gas obeying Vander Waals will resemble ideal gas if :

Both 'a' and 'b' large , both 'a' & 'b' small
'a' small & 'b' large 'b' large only. ✓

8. Escape out of gas molecules through tiny hole is

Osmosis

diffusion

Effusion ✓

facilitated diffusion

10. The drying agent used in desiccator is:

Sodium chloride

Potassium chloride

Calcium chloride ✓

Iodine

11. The existence of an element in more than one crystalline form is:

Isotropy

Allotropy ✓

Entropy

Anisotropy

12. Sucrose is converted into glucose and fructose by enzyme:

Urease

invertase ✓

zymase

Maltase

13. Calculate the amount of NaOH required to prepare 250 ml of 1 M solution

10g ✓

16g

4g

8g

$M \times V = \text{moles}$

Arthropoda , Algae

Bacteria , Mushroom

30. In plants, the most abundant carbohydrate is :

Starch , cellulose

Glycogen , Agar

31. *Entamoeba histolytica* caused amoeboid

Colera , dysentery

fever , Migraine

32. Diffused type of nervous system is present in :

42. 100 radians are equal to :

57.3° , 573°

5730° 5.73°

43. 73.650 is rounded off upto one decimal is :

73.6

73.7

74

73.65

44. Range of projectile is maximum when it is projected at an angle of :

20°

45°

30°

60°

45. The area under the velocity time graph gives :

30. The angular acceleration is produced by:

Momentum
Torque

Pressure
Power.

31. Motion of Projectile is _____ dimensional.
Two, Three, Four, None of these

32. The value of triple point of water is given by:

373.16 K

273.16 K

273.16 K

300.16 K

33. The resolving power of a lens is expressed by a relation:

$$\alpha_{\min} = 1.22 \frac{\lambda}{D}, \alpha_{\min} = 1.22 \frac{\lambda}{D}$$

$$\alpha_{\min} = 1.22 \lambda D, \alpha_{\min} = 1.52 \frac{\lambda}{D}$$

34. Angular frequency is basically a characteristic of:

Circular motion
Vibratory motion

Linear motion
Elliptical motion

49. In cities, particularly the pollution from auto-mobiles is enormously adding into the atmosphere?

Chromium

Nitrogen

Cyanide

Lead

50. Mendel did experiment on the genetics of plant

250 cm³ of 1 M solution is:

✓
10 g

2 g

6 g

4 g

7. Carbon is :

Bivalent

Covalent

Trivalent ✓

Tetravalent ✓

8. Botanical name for potato :

Solanum melangena, Solanum tuberosum ✓

28. Engrossed in himself

Absorbed, Busy, Interested,
Annoyed.

29. Police Brutality

Cruelty, damage, Investigation, trial.

30. Screamed

Yelled, looked, cried, pointed to

31. Verifying dream

Fading, disturbing, happy, thrilling

32. Clamor of the distinction

Sound, Music, Noise, Melody

33. He bragged again.

Slept, pleased, wept, Cried.

34. Ellen tiddles as

14. The pitch of sound depends on :

Intensity of sound, loudness of sound,
wavelength of sound,
frequency of sound

15. The waves associated with particles in motion are called ____
light waves, sound waves, matter waves.

Both A & B.

16. Multimode step index fibre is useful for ____

long distance, short distance, very long distance.

Infinite distance.

17. The curve representing an adiabatic process is called.

a) An adiabatic, b) An isotherm

Both of these

None of these

23. The reaction is spontaneous if the

cell potential ~~is~~ is:

positive

zero

negative

infinite

37. Types of waves used in "Sonar" are

Electromagnetic , matter
water , sound

38. The working carburetor of a car uses:

Equation of continuity, Gravitational law

Bernoulli's theorem , Stoke's theorem.

39. The weight of a man in an elevator descending with an acceleration of 4.9 ms^{-2} will become:

Twice , Half
Zero , Unchanged

40. Which one is a vector.

Length , Volume
Velocity , Work

come, has been come, are coming,
came.

24. If he worked hard, he — the examination.

will pass, can pass, would have passed, would
pass,

25. Our clean environment — our clean
habits & thoughts.

Reflect, Reflects, was reflecting, is reflecting

26. Synonyms

valence orbitals, d-orbitals.

46. Cathode in NICAD cell is:

Ag_2O

NiO_2

Cd ✓

Zn

47. As reaction proceeds, rate of reaction:

10

18. The Davison & Germer experiment indicates _____

Interference, Polarization, Electron diffraction,

Refraction

19. To measure the current in a circuit, ammeter is always connected in _____

Series, parallel, both of these,

none of these

20. SI unit of Impedance is _____

Henry, Hertz, Ampere, Ohm

21. Siemen is unit of _____

Resistivity, Resistance, conductivity, conductance

22. The rest mass of x-ray photon is:

9.1×10^{-31} kg, 1.67×10^{-27} kg, zero,

none of these

23. When a silicon crystal is doped with a pentavalent element _____

a) p-type semiconductor, n-type " "
b) Intrinsic 4 Extrinsic 4

13. Now-a-days Mr. Nazir _____ us English.

_____ Teach, Teaching, Taught, Is teaching.

14. He _____ to Karachi tomorrow morning.
Go, is going, will go, went.

15. Hundreds of year ago people _____ in
signs of good or bad luck.
Believed, had been believing, Believe, would believe.

16. If we _____ at their place, we
would go on a picnic.

Had, were, would be, will be

17. We should not brag _____ our deeds.
For, after, off.

18. One should be earnest _____ one's dealings.

24. Newton was discovered in 1932 by:
Bohr, Chadwick, Dirac, Fermi

25. Shunt resistor is called,

By pass resistor, specific resistance,
Resistance, Impedance

26. Which is optical instrument?

Telescope, Galvanometer, Ammeter,
Ammeter.

27. The theory of wave nature of
light was proposed by:

Thomas young, Huygen,

Maxwell, Fresnel.

28. With the rise of temp., the velocity
of sound —

44. Identify the day-neutral plant:

Tobacco

Cocklebur

cabbage

Tomato ✓

45. If bile pigments are prevented from leaving digestive tract causing a condition called:

Piles
obesity

Taunelice
Ulcer

46. Cyclosis and amoeboid movements are due to ?

Microfilaments

chloroplasts

Microtubules

Intermediate filaments

47. If non-protein part is loosely attached to protein part of enzyme, it is called:

Activator

co-enzyme

Prosthetic group

co-factor

C-O

H-H

41. Hepatic and pancreatic secretions are stimulated by a hormone :

Gastrin
zymogen

✓
secretin
parietal

42. Magnesium in chlorophyll is replaced
by _____ in

Lorenz Oken , Schleiden

Robert Brown , Theodor Schwann

25. Breakdown of alveoli of lungs is:

Asthma , Tuberculosis

Emphysema , lungs cancer

26. Desert ecosystem of Bhakar & Mianwali is called :

Thar , Cholistan

Thal , Rohi

27. Each mesophyll cell of leaf has

~~chlorophyll~~ chloroplasts about :

10-20

120-150

20-100

250-170

28. A rye plant less than one meter tall has branch roots about.

31. Empirical formula of glucose is:



32. Oxidation number of oxygen in OF_2 is:

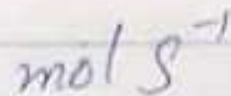
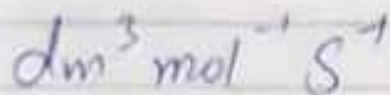
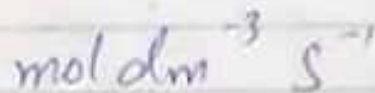
zero
+2

-1

-1/2

33. The unit of rate constant for

zero order reaction is :



34. The reaction $2KMnO_4 + Cl_2 \rightarrow 2KMnO_4 + 2KCl$ is:

①

UAF Entrance Test

Target:

↳ To achieve more than 85 out of 100 In Sha Allah.

①

Most Imp MCQ's

→

Synonyms English

1. Screamed

2. Vexing

3. Discarded

4. Fidgets

5. STARE

6. ILLUMINATED

7. Impromptu

8. despair

9. Stunned

10. Elegance

11. Pursue

That was
so horrible

1.0 μm

2.0 μm

0.1 μm

3.0 μm

12. In protostomes, blastopore forms the:

✓
Mouth

Brain

Anus

Excretory pore

13. Family of sweat pea is:

(21)

26. Standard enthalpy change is measured at :

✓
298 K , 273 K
273°C , 373 K

27. The pH of mixture of CH_3COONa & CH_3COOH is :

7 , < 7
< 7 , 1

28. Isotopes differ in number of :

electron , proton
neutron , proton number.

29. Density of an ideal gas can be calculated by the formula:

✓
 $d = \frac{n}{V} RT$, $d = \frac{PM}{RT}$

$d = \frac{m}{M} RT$, $d = \frac{PV}{M}$

30. Stronger the oxidizing agent, greater is the :

✓ Oxidation potential , Redox potential
Reduction " , E.M.F of cell

decrease rapidly, decrease slowly
does not change, drops $\checkmark$ to zero

17. The deviation of a gas from ideal behaviour is maximum at:

$\checkmark$
-10°C & 5 atm, -10°C & 2 atm
100°C & 2 atm, 0°C & 2 atm

18. Ionic solids are characterized by:

low melting points, solubility in polar solvents $\checkmark$
high vapour pressure, good conductivity

19. Quantum number values for 2p orbitals are:

$\checkmark$
 $n=2, l=1$; $n=1, l=2$
 $n=1, l=0$; $n=2, l=0$