

Physics:

- 1: Which one of the following is result of centripetal acceleration in a body?
Ans change in direction.
- 2: The momentum of P (Photon) written by
P=MC
- 3: The particle whose mass is equal to electron is
Ans Positron
- 4: X ray is highly electric wave. With short wave length. The nature of xray is?
Ans Electromagnetic
- 5: The range of projectile motion of its maximum value. The range projection is?
Ans.. 30 degree
- 6: The product of frequency and wavelength of a wave is equal to?
Ans. Speed of Wave.
- 7: Jet plain engine develops thrust 400N and flying speed 200m/s, the power of engine is
Ans. 8×10^5 w
- 8: Weight lift consumed 1000J of energy to lift load in 2 seconds, the power consume is
Ans: 500W
- 9: Body moves in circular path may have constant?
Ans. Speed
- 10: The object is moving faster than speed of sound?
- 11: Helicopter with weight W ascending with Zero (0) acceleration upward force on helicopter is
Ans. F= W
- 12: A body falls from certain height and falls freely, its speed after 1 second will be?
Ans. 9.8m/s
- 13: How long it takes body moving with speed of 30m/s to stop, it decelerates at 5m/s²
Ans. Six (6) seconds
- 14: Two perpendicular forces of same magnitude (F) are meeting at a point. The resultant force is
Ans: Under score $2F$ or $\sqrt{2}F$
Ans: Supersonic
- 17: The speed of wave in medium 760s to 3600J passing through the medium in 2 minutes
Ans: 25.3m/s
- 18: The sound speed at 0° is 332 m/s, the speed of sound at 100°C will be?
Ans. 388m/s
- 19: The electric field intensity inside the spherical surface is:
Ans: Zero
- 20: The Capacitor of 5F, 7F connected in parallel. Each of equivalent capacitance is?
Ans: 12F
- 21: 12J work done charge on 0.1 between two points against electric field. The potential difference b/w two point will be
Ans: 120volt
- 22: The charge of magnet is 3UF and displaced at 20cm and equipotential surfaces. The required amount of work done is:
Ans: Zero
- 23: which of the following is corrent relationship?
Ans: $E = E_0 \epsilon_r$
- 24: In parallel plate capacitor, If area of the capacitor will doubled the capacitance will be:
Ans. Doubled
- 25: In electric field electron is places between two parallel plates and separation is 0.5cm and pottential difference is 60volt. Force of electron
Ans: 1.9×10^{-15} J

26: If P_1 and P_2 shows resistivity. 10°C and 0°C , their relationship is

Ans $P_1 = P_2 (1 + \alpha \Delta T)$

27: The electromotive force measured in

Ans: Volt

28: The reciprocal of resistance is

Ans. Conductance

29: Two wires of Iron and Copper. How we will make the same resistance of two wire?

Ans Cross sectional different

30: An electric kettle of 100 watt boils certain quantity of water in 8 minutes generates?

Ans: $4.8 \times 10^4 \text{ J}$

31: Which of the following is not scalar quantity?

Ans: Magnetic flux density

32: The change in internal energy in isothermal process

Ans. Zero

33: The area under adiabatic process (P-V) is:

Ans Work Done

34: In Thermodynamic process an internal energy of system decrease by 300 J and 120J, the work done on the system is

Ans: -420J

35: The energy of light determined by:

Ans: Frequency

36: The is the time of the rate of linear Momentum is:

Ans: Force

37: A moving isolated charge particle around having:

Ans Both Electric and magnetic field

38: The unit of self conductance?

Ans. Henry

39: In step down transformer

Ans $N_p > N_s$

40: When north pole of magnetic bar approaches at faced at the closed coil

Ans North pole.

41: The direction of induced EMF is predicted by?

Ans Lenz's law

42: The elements of Group IV can be converted into semiconductor

Ans, by adding impurities of Group III

43: The semiconductor the major carriers are

Ans. Electrons

44: In angular momentum, electron is

Ans. $MVR = nh/2\pi$ - $mvr = nh/2\pi$

45: The product of half life and decay?

Ans. 0.693m

Biology:

50: The rate of blood flow in human body can be traced by?

Ans. ^{24}Na

51: The high energy duotrim absorbed by $^7\text{Li}^6$ produced.

Ans: Two alpha particles

52: The skin cancer of human?

Ans Kaposi Carcinoma/ Sarcoma

- 53: which of the following is not essential for photosynthesis?
Ans Oxygen
- 54: Energy required for
Ans Active process
- 55: Net Gain of ATP in electron transport chain is
Ans 36 ATPs
- 56: chromosome with one long arm and one short arm is?
Ans Acrocentric
- 57: The cell membrane intake material, process is
Ans Endocytosis
- 58: The histological branch?
Ans Viscum
- 59: Force pushes water from root to stem is?
Ans Root pressure
- 60: Bacteria grow rapidly in which phase?
Ans Log phase
- 61: The scientific name of Bladder wort is
Ans Ultricularia
- 62: Light which inhibit the germination of lettuce seed
Ans Far Red Light
- 63: Microorganism germinate into
Ans Make gametophyte
- 64: Diagrammatic representation of tropical plant is
Ans Pyramid
- 65: Protein Tubulin is
Ans. Present in Microtubules.
- 66: Lysosomal enzyme in which liver and spleen is enlarged
Ans. Gaucher Disease
- 67: Process by which structure absorb liquid but swells volume does not dissolve is called
Ans Imbibition
- 68: The casperin strip waxy belt found in
Ans Endodermal cells
- 69: in which deficient soil carnivorous plant typically lives.
Ans Nitrogen
- 70: Colour of leaf turns into bluish green due to deficiency of
Ans Potassium (K)
- 71: A chemical produced by certain microorganism to kill or inhibit others is?
Ans Antibiotic
- 72: Cocci arranged in group of Eight (8)?
Ans Sarcina
- 73: Type of sexual reproduction in which morphological similar but physically different/ dissimilar fused to form?
Ans Anisogamy
- 74: The growth in apex of young stem take place in zigzag manner
Ans Nutritional / Nutritive moment
- 75: Particular area of chromosome
Ans Karyotype/ Karyotyping
- 76: Response of plant to relation with day and night?
Ans. Photoperiodism or Photoperdum
- 77: Most Abundant WBCs.
Ans Neutrophils

- 78: which helps to prevent change in pH?
Ans Buffer
- 79: Xantophylls and carotenes are?
Ans Carotenoids
- 80: which carry information from nucleus to Ribosomes?
Ans mRNA
- 81: enzyme which act as same cells?
Ans Endoenzyme
- 82: Volume of blood pumped by left ventricle per minute is ?
Ans Cardiac Output
- 83: Tripsinogen to active tripsin by enzyme?
Ans Amylase or Enterokinase
- 84: Accumulation of small changes through successive generation promote development of new organ or character transfer into offsprings in next generation?
Ans Inheritance of acquired character
- 85: All species are not same totally. Variation are inherited according to?
Ans Charles Darwin
- 86: The Trophozoite of Trichomonas pallidum is which of the following?
Ans Spirochaetae
- 87: Reflex which involve sensory and motor neuron is?
Ans Reflex arc
- 88: Spicules of sponges are
Ans Sclerites
- 89: The occurrence of species into two or more structurally and functionally different zooids?
Ans Polymorphism
- 90: Synthesis of mRNA is ?
Ans Transcription
- 91: Energy rich molecule is
Ans ATP
- 92: The impulse where impulse more from one to another is called
Ans synapses
- 93: Cells of nervous system are?
Ans Neurons
- 94: Sound, Touch pressure and motion is detected by?
Ans Mechano receptor
- 95: Activity of every enzyme is regulated by?
Ans Feed back Inhibition
- 95: Intraspecific structural=
Ans Same species
- 96: Similar organs have tend to modify functions and different species?
Ans Homologous organisms
- 97: Gonorrhoea caused by?
Ans N- Gonorrhoea
- 98: HIV is virus, destroys?
Ans Immune system
- 99: Denaturation of cartilage due to deposition of calcium,
Ans Arthritis
- 100: Ankle bones are
Ans Metatarsals
- 101: Heart surrounded by?
Ans Pericardium

102: Over genitals, Painful ulcer blisters caused by ?

Ans Herpes Simplex

103: Sperms stored in long thin 6m tube?

Ans Epididymis

104: Cartilage formed by which cells?

Ans Chondrocytes

105: which regions have greatest no. of sensory receptors?

Ans Tongue and Finger tips

106: Presynaptic membrane vesicles have ?

Ans Neurotransmitter

107: The largest organ is

Ans Liver

108: Myosin filament surrounded by?

Ans G actin filament

109: Children having blood group A- B- AB- O

Ans One present gave heterogenous A and One present having heterogenous B

110: Trachionids having spindle shape given by?

Ans. Oblique transfer wall

111: First barrier to pathogen?

Ans. Epidermis

112: Transmission of Hep B and Hep C

Ans Through contaminated Blood and Blood products

113: Pyruvate convert to 3 carbon molecules is called

Ans. Krebs's cycle.

Chemistry

109: Electrons revolve around nucleus and situated at fixed distance from nucleus with definite energy. It is statement of?

Ans Neil Bohr

110: wave which has highest penetrating power?

Ans Gamma Waves

111: Typical monocot seed does not have?

Ans scutellum

112: producing sound organ (pair of vocal cords)

Ans Larynx

113: Conversion of straight to branched chain?

Ans Reforming

114: The Petrol (Gasoline) is mixture of?

Ans Hexane and Heptane

115: Acetylene is passing through red hot tube in presence of

Ans Uncatalyst Benzene

116: Methanol is called

Ans Wood Spirit

117: which is used as ink preservative?

Ans. Phenol

118: Positive charged oxygen bounded with free other atoms or groups of atoms

Ans Oxonium Ion

119: Diffusion of gas is inversely proportional to square root of density at constant temperature and pressure?

Ans Graham's Law

120: used in TVs and computers?

- Ans Plasma
- 121: Free falling drops of water?
- Ans Surface Tention
- 122: which of the following having characters of malleability, ductility, electrical and thermal conductivity?
- Ans Metallic Solids
- 123: What happens to K_c when catalyst is added to chemical system equilibrium.
- Ans It become zero
- 124: outer body of dry cell
- Ans Zinc
- 125: Process occurs at anode?
- Ans Oxidation
- 126: Dipole moment of CS_2 is Ans.. 0.00
- 127: trigonal pyramidal shape ?
- Ans NH_3
- 128: in first law of thermodynamics, initial and final state depends upon?
- Ans Energy (E)
- 129: Chemical reaction $NHO_2 \rightarrow NO_2$, the order of reaction is?
- Ans 2nd order
- 130: General gas equation is combination of ?
- Ans Boyle's and Charles Law
- 131: smallest repeating pattern on which lattice is built?
- Ans... Unit Cells
- 132: K_c is
- Ans Equilibrium Constant
- 133: $2HI \rightleftharpoons H_2 + I_2$ is
- Ans 2nd order Reaction
- 134: In reaction $A \rightarrow B$, rate of disappearance is
- Ans $-dA/dt$
- 135: At ordinary condition, Formaldehyde is?
- Ans. Gas
- 136: The molecular weight of water soluble protein is?
- Ans High
- 137: At equilibrium,
- Ans. Rate of Forward reaction is equal to rate of backward reaction
- 138 Fat soluble vitamins are?
- Ans. A, D, E and K
- 139: Maximum amount of product is obtained by balance chemical reaction by using?
- Ans Theoretical yield
- 140: Percentage of O_2 in water?
- Ans 88.88%
- 141: Limiting reaction is one which produce?
- Ans. Minimum number of mole products.
- 142: Nucleophile is a
- Ans Electron Rich Species
- 143: At highest Temperature, the gas exits in liquid is called?
- Ans Critical temperature
- 144: Elimination reaction in which only substrate involve in rate determination step?
- Ans. Unimolecular.
- 145: Tollen reagent is prepared by adding drops of $NaOH + AgNO_3$ to white precipitates?
- Ans. $AgOH$

- 146: Dry distillation of Calcium acetate produces
 Ans Acetone
- 147: The number 75300 is written as
 Ans 7.5×10^4
- 148: Xray discovered by **W. Rhenogen**
- 149: Elimination is extracted through
 Ans :Bauxite
- 150: Electrically refining copper is
 Ans 100% pure
- 151: Stainless Steel is alloy of
 Ans. Fe, Cr, Ni
- 152: in the orbital of atom, no two electrons can have same set of quantum number?
 Ans. Pauls exclusive principle
- 153: Cracking is employed by increasing quantities of petrol form?
 Ans Crude Oil
- 154: A reaction in which two molecules combine and yield single molecule
 Ans Addition reaction
- 155: Benzene was first isolated by Faraday _____
 Ans Hofman
- 156: Fuming Sulphuric acid at room temperature reacts with benzene to produce?
 Ans Benzen Sulphonic Acid.
- 157: Replacement of one or more hydrogen atoms of methane with halogen is?
 Ans Halogenation.
- 158: P block Contains
 Ans. Metals and Non-Metals
- 159: Viscosity is measure of
 Ans Resistance in flow of liquid
- 160: Shape of diamond ?
 Ans tetrahedral

English

- 1: **Loacious** Neighbour?
 Ans Talkative
- 2: Correct Option
 And Will get
- 3: Correct sentence?
 Ans. Eman said "what a beautiful house it is!"
- 4: Ans Kinza said "How long _____?"
- 5: Cleaning staff _____ area to prevent spread of corona virus?
 Ans. Demolised
- 6: Identify the error?
 Ans In trust me with work and it **is done** effectively.
- 7: This is literally thinkless staff. I **will** never take it again
- 8: Shopkepper told the boy that is he did not take himself off **would** call of police
- 9: Change into simple past?
 She is a beautiful women
 Ans She was a beautiful women
- 10: What type of sentence is this?
 What are doing here Ali. I have not seen you since June.
 Ans. Interogative

11: Shery is Coming FROM Japan

12: My friend lives at Saddar IN Karachi

13: Choose correct one?

Ans Gawadar coastlike nation teasure the longest in the region

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