	Neet Code -04				
	SECTION - A				
1.	The temperature of an ideal gas is increased for 100k to 400k. If at 100k the root mean square velocity of the gas molecules is v, a 400k it becomes				
	(a) $4v$ (b) $2Vb$ (c) $v/2$ (d) $v/4$				
2.	2. A piece of glass is heated to a high temperature and then allowed to cool. If it cracks, a probable reason for this is (a) low thermal conductivity of glass (b) high thermal conductivity of glass (c) high specific heat of glass (d) high melting point of glass				
3.	The field of view is maximum for (a) plane mirror (b) concave mirror (c) convex mirror (d) cylindrical mirror				
4.	The age of universe is believed to be (a) 1 billion years (b) 10 billion years (c) 10-20 billion years (d) 1000 billion years				
5.	If the earth stops rotating, the value of "g" at the equator will (a) increase (b) remain same (c) decrease (d) none of the above				
6.	If temperature of an object is 140^{0} F, then its temperature in centigrade is (a) $105~^{0}$ C (b) $32~^{0}$ C (c) $140~^{0}$ C (a) $60~^{0}$ C				
7.	If one sphere collides head on with another sphere of the same mass at rest inelastically. The ratio of their speeds $\left(\frac{v_2}{v_1}\right)$ after collision shall be				
	(a) $\frac{1-e}{1+e}$ (b) $\frac{2e}{1+e}$ (c) $\frac{1+e}{1-e}$				
8.	If 150 J of heat is added to a system and the work done by the system is 110 J, then change in internal energy will be (a) 260J (b) 150J (c) 110 J (d) 40J				
9.	A T.V tower has a height 100m. How much population is covered by TV broadcast, if the average population density around the tower is 1000km ⁻² (a) 2 X 10 ⁶ (b) 4 X 10 ⁶ (c) 3 X 10 ⁸ (d) 9 X 10 ⁴				
10.	 A particle A suffers an oblique elastic collision with a particle B which is initially at rest. If their masses are same, then after the collision (a) they will move in opposite directions (b) A continues to move in the original direction while B remains at rest (c) they will move in mutually perpendicular directions (d) A comes to rest and B starts moving in the direction of the original motion of A 				

(b) we get heat from the sun by convection

(d) none of the above

11. One likes to sit under sunshine in winter season, because
(a) we get heat from the sun by conduction

(c) we get heat from the sun by radiation

(a) the linear velocity of objects at equator is greater than at other places

(d) at all places the angular velocity and linear velocity are uniform

(b) the angular velocity of objects at equator is more than that of objects at poles

(c) the linear velocity of objects at all places at the earth is equal, but angular velocity is different

12. On account of the earth rotating about its axis

13. The apparent coefficient of expansion of a liquid when heated in a copper vessel is C and when heated in a silver is S. If A is the linear coefficient of expansion of copper, then the linear coefficient of expansion of silver is

(a)
$$\frac{C+S-3A}{3}$$

(b) $\frac{C + 3A - S}{3}$

(c) $\frac{S+3A-C}{3}$ (d) $\frac{C+S+3A}{3}$

14. The ratio of the resistance of a conductor at a temperature of 15°C to its resistance at a temperature of 37.5°C is 4: 5. The temperature coefficient of resistance of the conductor is

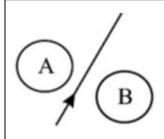
(a) $\frac{1}{25} {}^{0}C^{-1}$

(b) $\frac{1}{50} {}^{0}C^{-1}$

(c) $\frac{1}{80} {}^{0}C^{-1}$

(d) $\frac{1}{75} {}^{0}C^{-1}$

- 15. A proton and an electron are released from an infinite distance apart and they get attracted towards each other. Which of the following statement about their kinetic energy is true?
 - (a) Kinetic energy of electron is more than that proton
 - (b) Kinetic energy of electron is less than that of proton
 - (c) Kinetic energy of electron=Kinetic energy of proton
 - (d) None of the above is true as it depends on the distance between the particles.
- 16. Consider the situation show in the figure. If the current I in the long straight wire as shown in the figure is increased at a steady rate then the induced EMFs in loops A and BV will be



- (a) Clockwise in A. anticlockwise in B
- (b) Anticlockwise in A, clockwise in B
- (c) Clockwise in both A and B
- (d) anticlockwise in both A and B
- 17. Which of the following has maximum specific heat?

(a) water (b) Alcohol

(c) Glycerine

(d) Oil

- 18. Choose the WRONG statement
 - (a) The nuclear force becomes weak if the nucleus contains too many protons compared to the number of neutrons
 - (b) The nuclear force becomes weak if the nucleus contains too many neutrons compared to the number of protons
 - (c) Nuclei with atomic number greater than 82show a tendency to disintegrate
 - (d) The nuclear force becomes very strong if the nucleus contains a large number of nucleons
- 19. A beam of metal supported at the two ends is loaded at the centre. The depression at the centre is proportional to

(a) Y^2

(c) $\frac{1}{\mathbf{v}}$

20. A mass of an ideal gas of volume V at pressure P undergoes the cycle of changes shown in the graph – At which point is the gas coolest and hottest?

	1
4	P/10 ⁵ Nm ⁻²
	4- X
	1 1
	$1 - Z \longrightarrow Y$
	$1 5 V/10^{-4} m^3$

Coolest hottest X Y (a)

Y (b) X

Z (c) Y

Y (d)

time after which man will feel the wind blowing towards east is

Horizontal wind is blowing with a velocity v towards north-east. A man starts running towards north with acceleration a. The

(c) $\frac{v}{\sqrt{2}a}$

(d) $\frac{2v}{a}$

21.

22.	If the phase difference between two waves of the same frequency is 2π during superposition, then the resultant amplitude is (a) maximum (b) minimum (c) maximum or minimum (d) none of the above
23.	An electron dipole of length 2cm is placed with its axis making an angle of 30° to a uniform electric field 10° NC-1. If it
	experiences a torque of $10\sqrt{3}N$, then potential energy of dipole is (a) $-10\mathrm{J}$ (b) $-20\mathrm{J}$ (c) $-30\mathrm{J}$ (d) $-40\mathrm{J}$
24.	De Broglie wavelength of $0.05eV$ thermal neutron is (a) $1.3~A^0$ (b) $2~A^0$ (c) $5.4~A^0$ (d) $8~A^0$
25.	An unknown tuning fork when sounded together with a tuning fork of frequency 256Hz emits two beats. On loading the tuning fork of frequency 256 Hz, the number of beats heard is 1 per second. The frequency (in Hz) of the unknown tuning fork is (a)257 (b) 258 (c) 256 (d)254
26.	The volume of a gas at 20°C is 200 ml. If the temperature is reduced to -20°C at constant pressure, its volume will be (a) 172.6ml (b) 17.26 ml (c) 192.7 ml (d) 19.27 ml
27	7. Number of nuclei of a radioactive substance at time t=0 are 1000 and 900 at time t=2s. Then number of nuclei at time t=4s will be (a) 800 (b) 810 (c) 790 (d)700
28.	When a sound wave of frequency 300 Hz passes through a medium the maximum displacement of a particle of the medium is 0.1cm. The maximum velocity of the particle is equal to (a) $60 \pi cms^{-1}$ (b) $30 \pi cms^{-1}$ (c) $30 cms^{-1}$ (d) $60 cms^{-1}$
29	A circular disc A of radius r is made from a iron plate of thickness t and another circular disc B of radius 4r is made from an iron plate of thickness t/4. The relation between the moments of inertia I_A and I_B is (a) $I_A > I_B$ (b) $I_A = I_B$ (c) $I_A < I_B$ (d) depends on the actual values of t and r
30	A particle executing SHM of amplitude 4cm and T=4s. The time taken by it to move from positive extreme position to half of the amplitude is (a) 1 s (b) $1/3$ s (c) $2/3$ s (d) $\sqrt{\frac{3}{2}}$ s
31.	A force of 100 dyne acts on a mass of 5g for 10s. The velocity produced is (a) 2 cm s ⁻¹ (b) 20 cm s ⁻¹ (c) 200 cm s ⁻¹ (d) 2000 cm s ⁻¹
32.	A uniform chain of length L and mass M is lying on a smooth table and one third of its length is hanging vertically down over the edge of the table. If g is acceleration due to gravity, the work required to pull the hanging part on to the table is (a) MgL (b) $\frac{MgL}{3}$ (c) $\frac{MgL}{9}$ (d) $\frac{MgL}{18}$
33.	The velocity of kerosene oil in a horizontal pipe is 5ms ⁻¹ . If g=10ms ⁻² , then the velocity head of oil will be (a) 1.25m (b) 12.5m (c) 0.125m (d) 125m
34	I. When p calories of heat is given to a body, it absorbs q calories. Then the absorption power of body will be
<u>Sp</u>	ace for rough worlk

(a)
$$\frac{p}{q}$$

(b)
$$\frac{q}{p}$$

(c)
$$\frac{q^2}{p^2}$$

(d)
$$\frac{p^2}{q^2}$$

35. At time t s, a particle of mass 3 kg has position vector $\vec{r} = (3t\hat{i} - 4\cos t \ j)$ m. The impulse of the force during the time interval

$$0 \le t \le \frac{\pi}{2}$$
 is

(a) 12ĵ *Ns*

(b) 9j *Ns*

- (c) 4j *Ns*
- (d) 14j *Ns*

Section -B

- **36.** Two spheres of the same radius are made from the same material. One is hollow and the other is solid, if they are heated together from 20°C to 100°C
 - (a)both will expand equally
 - (b) hollow sphere will expand more
 - (c) solid sphere will expand more
 - (d) the relative expansion of solid and hollow sphere depends on the material of sphere
- **37.** If specific heat of a substance is infinite, it means
 - (a) heat is given out
 - (b) heat is taken in
 - (c) no change in temperature takes place whether heat is taken in or given out
 - (d) all of the above
- **38.** If an electron enters into a space between the plates of a parallel plate capacitor at an angle α with the plates and leaves at an angle β to the plates. The ratio of its kinetic energy while entering the capacitor to the while leaving will be

(a)
$$\left(\frac{\sin \beta}{\sin \alpha}\right)^2$$
 (b) $\left(\frac{\cos \beta}{\cos \alpha}\right)^2$ (c) $\left(\frac{\cos \alpha}{\cos \beta}\right)^2$ (d) $\left(\frac{\sin \alpha}{\sin \beta}\right)^2$

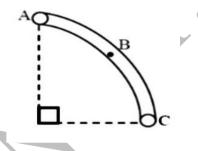
- 39. A force $F = (5\hat{i} + 3\hat{j})$ N is applied over a particle which displaces it from its origin to the point $r = (2\hat{i} 1\hat{j})$ m. The work done on the particle is

 (a) -7J

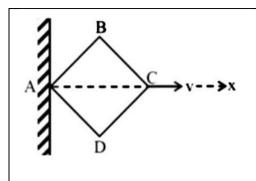
 (b) +13J

 (c) +7J

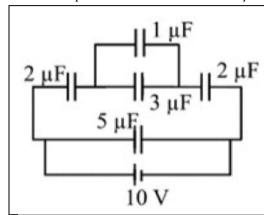
 (d) +11J
- **40.** The tube AC forms a quarter circle in a vertical plane. The ball B has an area of cross-section slightly smaller than that of the tube and can move without friction



- (a) Always be in contact with the inner wall of the tube
- (b) always be in contact with the outer wall of the tube
- (c) initially be in contact with the inner wall and later with the outer wall
- (d) initially be in contact with the outer wall and later with the inner wall.
- **41.** Four rods each of length 1 have been hinged to form a rhombus. Vertex A is fixed to rigid support, vertex C is being moved along the x-axis with constant velocity v as shown in the figure. The rate at which vertex B is approaching the x-axis at the moment the rhombus is in the form of a square is



- **42.** The ratio of potential differences between $1\mu F$ and $5\mu F$ capacitors is



- (a) 1:2
- (b) 3:1
- (c) 1:5
- (d) 10:1
- The thermal conductivity of a material in the CGS system is 0.4. In steady-state, the rate of flow of heat 10 cal s⁻¹cm⁻², then the 43. thermal gradient will be
 - (a) 10^{0} C cm⁻¹
- (b) 12°C cm⁻¹
- (c) 25°C cm⁻¹
- (d) 20° C cm⁻¹
- 44. In the glass capillary tube, the shape of the surface of the liquid depends upon
 - (a) Only on the cohesive force of liquid molecules
 - (b) only on the adhesive force between the molecules of glass and liquid
 - (c) Only on relative cohesive and adhesive force between the atoms
 - (d) neither on cohesive nor on adhesive force
- 45. Magnetic susceptibility of a diamagnetic substance
 - (a) decreases with temperature

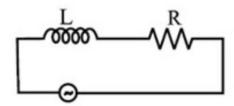
- (b) is not affected by temperature
- (c) increases with temperature (d) first increases then decreases with temperature
- The maximum velocity of electrons emitted from a metal surface is v when the frequency of light failing on it is f. The 46. maximum velocity when the frequency becomes 4f is
 - (a) 2v (b)>2v (c) <2v (d) between 2v and 4v
- 47. A flux of 1mWb passes through a strip having an area $A=0.02m^2$. The plane of the strip is at an angle of 60^0 to the field (a) 0.01T (b) 0.058 T (c) 4.0mT (d) none of the above
- and big ball v. Then what is the value of v (a) $\frac{M-m}{M+m}u$

 - (b) $\frac{m}{M+m}u$ (c) $\frac{2m}{M+m}u$

48. A big ball of mass M, moving with velocity u strikes a small ball of mass m, which is at rest. Finally small ball attains velocity u

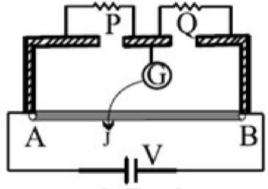
(d) $\frac{M}{M+m}u$

49. When a material is inserted inside the inductor the current in the circuit increases, then the nature of the material is



- (a) ferromagnetic
- (b) paramagnetic
- (c) diamagnetic
- (d) all of the above

50. In a meter bridge circuit as shown in the figure, The bridge is balanced when Aj=20cm. On interchanging P and Q the balance length shifts by



(a) zero (b) 80cm

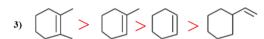
(c) 40 cm

(d) 60cm



- . Which of the following represents a biliquid propellant?
 - (a) Liquid N_2O_4 + unsymmetrical dimethylhydrazine (UDMH)
 - (b) Liquid N_2O_4 + acryclic rubber
 - (c) Nitroglycerine + nitrocellulose
 - (d) Polybutadiene + ammonium perchlorate
- **2.** Dehydration of cyclopentyl carbinol with conc. H_2SO_4 forms
 - (a) Cyclopentene
- (b) Cyclohexene
- (c) Cyclohexane
- (d) none of these

- **3.** Which of the following is incorrect order?
 - 1) $CH_3^- > CH_3O^- > HO^- > H_2O$ (Nucleophilicity in protic solvent)
 - 2) ${
 m Cl}^->{
 m CH_3COO}^->{
 m CH_3O}^->{
 m NH_2}^-$ (Leaving group ability)



Stability of alkane

- 4) $CH_3 CH_2 F > CH_3 CH_2 Cl > CH_3 CH_2 Br > CH_3 CH_2 I$ (Boiling point)
- **4.** Out of the following reactions

I. $NH_4NO_3 \xrightarrow{\Delta} N_2O + 2H_2O$

II. $NH_4NO_2 \xrightarrow{\Delta} N_2 + 2H_2O$

III. $PCl_5 \xrightarrow{\Delta} PCl_3 + Cl_2$

Disproportionation is not shown in

- (a) I and II
- (b) II and III
- (c) I and III
- (d) I, II and III

- 5. The reaction, $2RCHO \xrightarrow{Al-ethoxide} RCOOCH_2R$ is called
 - (a) Tishchenko reaction
- (b) Knoevangel reaction
- (c) Cannizzarrro reaction
- (d) HVZ reaction
- **6.** The compound $(SiH_3)_3 N$ is expected to be
 - (a) pyramidal and more basic than $(CH_3)_2 N$
- (b) planar and less basic than $(CH_3)_3 N$

(c) pyramidal and less basic than $(CH_3)_3 N$

- (d) planar and more basic than $(CH_3)_3 N$
- 7. When 3 mole of A and 1 mole of B are mixed in 1 *litre* vessel the following reaction takes place $A_{(g)} + B_{(g)} = 2C_{(g)}$. 1.5 moles of C are formed. The equilibrium constant for the reaction is
 - (a) 0.12
- (b) 0.25
- (c)
- 0.50
- (d) 4.0

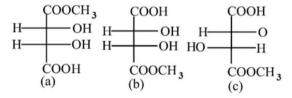
- 8. In any chemical reaction, equilibrium is supposed to be establish when
 - (a) Mutual opposite reactions undergo
 - (b) Concentration of reactants and resulting products are equal
 - (c) Velocity of mutual reactions become equal
 - (d) The temperature of mutual opposite reactions become equal
- **9.** Which of the following will not form when $NaHCO_3$ solution is added to aqueous $FeCl_3$ solution?
 - (a) CO_2

- (b) $Fe(OH)_3$ (c) $Fe(HCO_3)_3$
- (d) NaCl
- 10. Among the complex ions given below which is/are outer orbital's complex

 - $\text{I)} \left\lceil Co \left(CN \right)_6 \right\rceil^{4-} \qquad \text{II)} \left\lceil Fe \left(H_2O \right)_6 \right\rceil^{+2} \qquad \text{III)} \left[Fe F_6 \right]^{3-} \quad \text{IV)} \left[Co F_6 \right]^{3-}$

- (a) II. III. IV
- (b) II, III only (c) I, IV only
- (d) II only
- 11. In the reversible reaction A + B = C + D, the concentration of each C and D at equilibrium was 0.8 mole/litre, then the equilibrium constant K_c will be
 - (a) 6.4
- (c)

- 12. Finkelstein reaction
 - (a) $2CH_3CH_2Cl + Ag_2O(dry) \rightarrow CH_3CH_2OCH_3CH_3 + 2AgCl$
 - (b) $CH_3CH_2Br + NaI \xrightarrow{Acetone} CH_3CH_2I + NaBr$
 - (c) $CH_3CH_2Br + Ag_2O(\text{moist}) \rightarrow CH_3CH_2OH \rightarrow AgBr$
 - (d) $CH_3CH_2Cl + NaOCH_3 \rightarrow CH_3CH_2OCH_3 + NaCl$
- 13. The correct statements about the compounds a,b and c is/are –



- (a) a and b are identical
- (b) a and b are diastereomers
- (c) a and c are enantiomers
- (d) a and b are enantiomers
- 14. A certain weak acid has a dissociation constant 1.0×10^{-4} . The equilibrium constant for its reaction with a strong base is:
 - (a) 1.0×10^{-4}
- (b) 1.0×10^{-10}
- (c) 1.0×10^{-14}
- (d) 1×10^{10}

15.

(a)

$$\begin{array}{c} \text{OH} \\ \text{H}_{3}\text{C} \\ \hline \\ \begin{array}{c} \text{CH}_{3} \\ \hline \\ \begin{array}{c} \text{CH}_{2}\text{--CI} \\ \text{NaOH} \end{array} \end{array} \xrightarrow{\Delta} ?$$

What is the missing product?

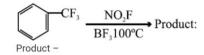
- **16.** E^0 of Fe^{2+} / Fe = -0.44V, E^0 of Cu^{+2} / Cu = 0.34 V. Then in the cell
 - (a) Cu^{2+} Oxidizes Fe (b) Fe^{2+} Oxidizes Cu (c) Cu Reduces Fe^{2+} (d) Fe Reduces Cu^{2+}
- 17. For tetrahedral co ordination the radius ratio (r^+/r^-) should be
 - (a) 0.414 0.732
- (b) > 0.732
- (c) 0.156 0.225
- (d) 0.225 0.414
- 18. Sodium extract of an organic substance gives a blood red color with $FeCl_3$. It contains the elements
 - (a) N
- (b) S
- (c) N & S both
- (d) N or S
- **19.** If $\Delta_0 < P$, the correct electronic configuration for d^4 system will be
 - (a) $t_{2g}^4 e_g^0$
- (b) $t_{2}^{3}e^{t}$
- (c) $t_{2g}^0 e_g^4$
- (d) $t_{2a}^2 e_a^2$
- 20. Boron has an exceptionally high melting point in the group 13th elements, because
 - (a) boron has the smallest size in the group
- (b) boron atoms are joined by Vander Waals force

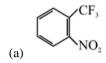
(c) boron is covalent solid

- (d) boron has higher ionization energy
- 21. The stability of lyophilic colloid is due to which of the following
 - (a) charge on their particles
- (b) large size of their particles
- (c) small size of their particles
- (d) salvation by dispersion medium

- **22.** Hydrogen is
 - (a) electropositive
- (b) electronegative
- (c) both electropositive as well as electronegative
- (d) neither electropositive nor electronegative
- 23. In the Cannizzaro reaction given below $2Ph-CHO \rightarrow Ph-CH_2OH+PhCOO^-$ in the presence of OH^- the slowest step is -
 - (a) The attack of OH^- at the carbonyl group
- (b) The transfer of hydride to the carbonyl group

(c) The abstraction of proton form the carboxylic group (d) the deprotonation of $pH - CH_2OH$ 24.







Both 'A' and 'B'

25. A compound (C_5H_8) reacts with ammonical $AgNO_3$ to give a white precipitate and reacts with excess of $KMnO_4$ (hot alkaline) solution to give $(CH_3)_2 CH - COOH$. The compound is

(a)
$$CH_2 = CH - CH = CH - CH_3$$
 (b) $(CH_3)_2 CHC \equiv CH$

(b)
$$(CH_3)_2 CHC \equiv CH$$

(c)
$$CH_3(CH_2)_2 C \equiv CH$$

(c)
$$CH_3(CH_2)_2 C \equiv CH$$
 (d) $(CH_3)_2 C = C - CH_2$

26. Two solutions of a substance (non – electrolyte) are mixed in the following manner. 480 ml of

1.5 M(first solution)+520 mL of 1.2 M (second solution). What is the molarity of the final mixture?

- (a) 1.50 M
- (b) 1.20 M
- (c) 2.70 M
- (d) 1.344 M

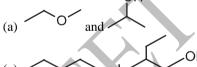
27. The rate of esterification of acetic acid with methyl alcohol (I), ethyl alcohol (II), isopropyl alcohol (III) and tertiary butyl alcohol (IV) follows in the order

- (a) I>II>III>IV
- (b) IV>III>II>I
- (c) II>IV>III
- (d) III>IV>I>III

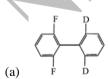
28. XeF_6 on complete hydrolysis gives

- (a) $XeOF_2$
- (b) XeO_2
- (c) XeO_2
- (d) None of these

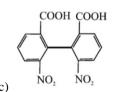
29. In which case first has higher melting point than second?



30. Which of the following is optically active substance?



C = C = C = C



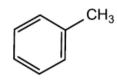
Both (A) and (B)

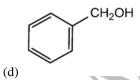
31. Benzyl alcohol and sodium benzoate is obtained by the action of sodium hydroxide on benzaldehyde. This reaction is known as (a) Perkin's reaction

(b) Cannizzaro's reaction

Neet Code -04

- (c) Sandmeyer's reaction
- (d) Claisen condensation
- **32.** The reactant (X) in the reaction, (X)
- (CH_3COONa) $(CH_3CO)_2O$ Cinnamic acid is





- **33.** Which one is incorrect statement?
 - (a) He is used in gas cooled nuclear reactors
 - (b) He is used as a cryogenic agent for carrying out experiments at low temperature
 - (c) He is used to produce and sustain powerful super conducting magnets
 - (d) He is used to fill gas balloons instead of H_2 because it is lighter than H_2 and non inflammable
- 34. The total volume of dry gaseous products at STP, when 3 moles of electrons are transferred from anode to cathode in the electrolysis of water is: (volume of gas a STP = 22.4 L)
 - (a) 67.2 L
- (b) 50.4 L
- (c) 44.8 L
- (d) 56.0 L

35. Match List I with List II

	List – I		List – II	
A)	Cyanide process 1 Froth Floatation 2		Ultrapure Ge	
B)			Pine oil	
	process			
C)	C) Electrolytic reduction		Extraction of Al	
D)	Zone refining	4	Extraction of Au	

$$(a)(A) - ((C); (B) - ((A); (C) - ((D); (D) - ((B)))$$

$$\overline{(b)(A)} - ((D); (B) - ((B); (C) - ((C); (D) - ((A)))$$

$$(c)(A) - ((C); (B) - ((B); (C) - ((D); (D) - ((A)))$$

$$(d)(A) - ((D); (B) - ((A); (C) - ((C); (D) - ((B)))$$

SECTION B

- **36.** Arrange the following in order of decreasing number of unpaired electrons :

- $\text{II: } \left[Fe \left(H_2 O_6 \right) \right]^{2+} \qquad \text{III: } \left[Fe \left(CN \right)_6 \right]^{3-} \qquad \text{III: } \left[Fe \left(CN \right)_6 \right]^{4-} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+} \qquad \text{IV: } \left[Fe \left(H_2 O \right)_6 \right]^{3+$
- (a) IV, I, II, III (b) I, II, III, IV
- (c) III, II, I, IV
- (d) II, III, I, IV
- 37. A co ordination complex of cobalt has molecular formula containing five ammonia molecules, one nitro group and two chlorine atoms for one cobalt atom. One mole of this compound produces three mole ions in an aqueous solution. In reacting this solution with excess of silver nitrate solution, two moles of AgCl get precipitated. The ionic formula of this complex would be –
 - (a) $\lceil Co(NH_3) \land NO_2Cl \rceil . \lceil (NH_3)Cl \rceil$

(b) $\left\lceil Co(NH_3)_5.Cl\right\rceil.\left\lceil Cl(NO_2)\right\rceil$

(c) $\left\lceil Co(NH_3)_5(NO_2) \right\rceil Cl_2$

(d) $\lceil Co(NH_3)_5 \rceil \lceil (NO_2)_2 Cl_2 \rceil$

- 38. The structural formula of isopropyl carbinol is
 - (a) (CH_3) , CHOH

(b) $CH_3 - CHOH - CH_2 - CH_3$

(c)
$$(CH_3)_2 CH.CH_2OH$$

(d)
$$(CH_3)_2 COH$$

- 39. Minamata disease is due to pollution of
 - (a) organic waste into drinking water
- (b) oil spill in water
- (c) industrial waste mercury into fishing water
- (d) Arsenic into the atmosphere
- 40. A greenish yellow gas reacts with an alkali metal hydroxide to form a halite which can be used in fireworks and safety matches. The gas and halides respectively are
 - (a) Br_2 , $KBrO_3$

- (b) Cl_2 , $KClO_3$ (c) I_2 , $NaIO_3$ (d) Cl_2 , $NaClO_3$
- **41.** Which one of the following statements is false?
 - (a) Raoult's law states that the vapour pressure of a component over a solution is proportional to its mole fraction in solution.
 - (b) The osmotic pressure (π) of a solution is given by the equation $\pi = iCST$ where M is the molarity of the solution.
 - (c) The correct order of osmotic pressure for 0.01 M aqueous solution of each compound is $BaCl_2 > KCl > CH_3COOH >$ sucrose
 - (d) none of these
- **42.** The furnace which gives the highest temperature is
 - (a) Blast furnace
- (b) reverberatory furnace
- (c) electrical funace
- (d) muffle furnace

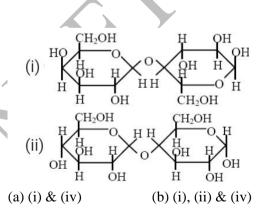
- **43.** 2, 2 dichloro propane on hydrolysis yields
 - (a) Acetone
- (b) 2, 2 Propane diol
- (c) Isopropyl alcohol
- (d) Acetaldehyde

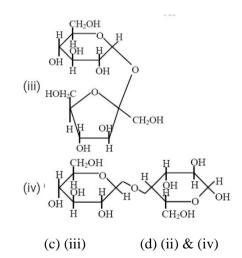
(b) 1.1 - diphenyl - 3.3.3 - trichloro propane

44. The IUPAC name $C_6H_5 - CH - CH_2 - CCl_3$ is C_6H_5

- (a) 1,1,1 trichloro 3,3 diphenyl
- propane
- (d) None of these

- (c) Both 1 and 2
- **45.** Which of the following are non reducing sugars





- **46.** Fixed volume of 0.1 M benzoic acid solution is added into 0.2 M sodium benzoate solution and formed a 300 ml, resultant acidic buffer solution. If pH of this buffer solution is 4.5 then find added volume of benzoic acid (Given: pK_a benzoic acid = 4.(b)
 - (a) 100 ml
- (b) 150 ml
- (c) 200 ml
- (d) None of these
- 47. An unknown compound A dissociates at $500^{\circ}C$ to give products as follows $A(g) \rightleftharpoons B(g) + C(g) + D(g)$ Vapour density of the equilibrium mixture is 50 when it dissociates to the extent to 10%. What will be the molecular weight of compound A
 - (a) 120
- (b) 130
- (c) 134
- (d) 140
- **48.** Three lines are drawn from a single corner of an FCC unit cell to meet the other corner such that they are found to pass through exactly 1 Octahedral void only, no voids Octahedral void only. Identify the line in the same order
 - (a) Edge, Face diagonal, Body diagonal
 - (b) Face diagonal, Edge Body diagonal
 - (c) Body diagonal, Face diagonal Edge
 - (d) Edge, Body diagonal, Face diagonal
- **49.** Identify the product in the following reactions :

$$O = CH = CH \xrightarrow{CH_3ONa} X$$

(b)

(d)

OH — OH

 $HC \equiv C \longrightarrow C \equiv CH$

HC≡C C≡CH

но-Су-он

- (c)
- **50.** Dissociation of phosphorus pentachloride is favoured by
 - (a) High temperature and high pressure
 - (b) High temperature and low pressure
 - (c) Low temperature and low pressure
 - (d) Low temperature and high pressure

	Neet	Code -04
1.	DNA probes are used in human for (a) Disease diagnosis (b) Disease control (c)	Disease resistance (d) Disease tolerance
2.	One of the following is not a threat to life (a) Biopollutants (b) Ionosphere (c) Nuclea	r blast (d) Deforestation
3.	Wheat & henbane are: - (a) SDP (b) DNP (c) LNP	(d) LDP
4.	Seed dormancy is regulated by - (a) C_2H_4 (b) ABA (c) IAA (d) GA_3	
5.	Ti-plasmids are present in (a) Agrobacterium (b) Cymbidium (c)	Dendrobium (d) Syzygium
6.	Cytokinins help to produce all except- (a) New leaves (c) Lateral shoot growth and adventitious shoot formation	(b) Chloroplast in leaves(d) Rooting on stem cut
7.		any liquid is) affinity between adsorbant and liquid) affinity between adsorbant and seed
8.	To obtain virus - free healthy plants from a diseased one by taken ?	tissue culture technique, which part/parts of the diseased plant will b
) Palisade parenchyma) Epidermis only
9.	When the evolution of CO2 is more than the intake of O2, the (a) Fatty acid (b) organic acid (c) Glucose	•
10.	Prickles of Rose are (a) Modified leaves (b) Modified stipules (c)) Exogenous in origin (d) Endogenous in origin.
11.	In Ruscus, the modification is :- (a) Phyllode (b) Cladode (c) Offset	(d) Sucker
12.	According to EuroV norms level of 'S' in Diesel and Petr (a) Below 50 ppm (b) Below 150 ppm (c)	rol should be: -) Below 350 ppm (d) Below 35 and 50 respectively
13.	In the environment, ozone is known for its (a) Harmful effects (b) Useful effects (c)) Both (a) and (b) (d) Inert nature
14.	World summit on sustainable Development (2002) was held (a) Argentina (b) South Africa (c) Brazil	in: - (d) Sweden
Spa	ace for rough worlk	

	Neet Code -04	
on in plants		

15. Respiration in plants

(a) Occurs only during day

(b) Results in the formation of vitamins

(c) Occurs both during day and night

(d) Often requires CO2

16. Among bryophytes, which plant contains simplest and most primitive sporogonium

(a) Riccia

(b) Marchantia (c) Pellia

(d) Funaria

17. Which hormone promotes female flowers in cucumber –

(a) ABA

(b) C₂H₄

(c) GA₄

(d) GA3

18. Which is called as living fossil

(a) Ginkgo

(b) Cycas

(c) Metasequoia

(d) All the above

19. Which of the following is wrongly matched in the given table?

	Microbe	Product	Application
(a)	Trichoderma	Cyclosporin A	immunosup -
	polysporum		pressive drug
(b)	Monascus	Statins	lowering of
	purpureus		blood
			cholesterol
(c)	Streptococcus	Streptokinase	removal of
			dot from
			bloodvessel
(d)	Clostridium	Lipase	removal of
	butylicum		oil stains

20. What is the sudden growth in very reduced stem in biennials called

(a) Bolting

(b) Cell elongation

(c) Internode elongation

(d) None of the above

21. If a cross is made between two individuals each having genotype Bb, two offsprings are obtained. Out of these first has dominant trait. What is the probability that the second offspring will exhibit recessive trait

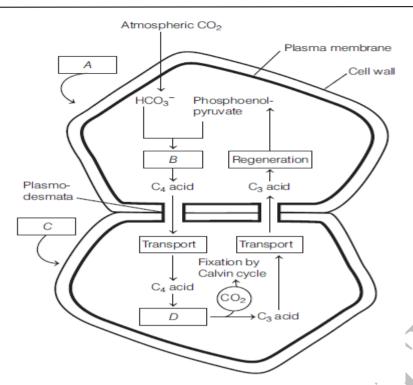
(a) 1/4

(b) 100

(c) Zero

(d) 3/4

22. Identify A, B, C and D in the given figure and choose the correct option accordingly.



- (a) A-Mesophyll cell, B-Fixation, C-Bundle sheath cell, D-Decarboxylation
- (b) A-Mesophyll cell, B-Decarboxylation, C-Bundle sheath cell, D-Fixation
- (c) A-Chloroplast, B-Decarboxylation, C-Bundle sheath cell, D-Fixation
- (d) A-Chloroplast, B-Fixation, C-Bundle sheath cell, D-Fixation
- 23. According to Campbell, Pteridphytes evolved from
 - (a) Bryophytes
- (b) Algae
- (c) Gymnosperms
- (d) Independently

- 24. The branched sclereids present in hydrophytes are
 - (a) osteosclereids (b) trichosclereids
- (c) macrosclereids
- (d) astrosclereids.
- 25. Rachel Carson's famous book "Silent Spring" is related to:
- (a) Noise pollution (b) Population explosion (c) Ecosystem management
- (d) Pesticide pollution
- 26. Water from the soil enters in to the root hairs on account of :-
 - (a) Turgor pressure
- (b) Suction pressure or DPD
- (c) Atmospheric pressure (d) Osmotic pressure

- 27. What is true about phytochrome
 - (a) P_e absorbs red light and becomes P_e
- (b) P_r absorbs yellow light and becomes P_{fr}
- (c) P_{fr} absorbs yellow light and becomes P_r
- (d) P_{fr} absorbs red light and becomes P_r
- 28. The process which brings about entry of water into seed coat when seeds are placed in water for germination is
 - (a) Diffusion (b) Osmosis
- (c) DPD
- (d) Imbibition
- 29. Choose the correct sequence of microbes involved in biogas production
 - (a) Fragmentative microbes, decomposers methanogens
 - (b) Decomposers, methanogens, putrefying microbes
 - (c) Putrefying microbes, methanogens, saprophytic microbes
 - (d) Decomposers fermentative microbes, methanogens

	Neet Code -04
30.	Natural cell division inducing factor occurs in (a) Coconut milk (b) Immature maize seeds (c) Both (a) and (b) (d) Heated t - RNA
31.	Bordered pits are elongated transversely and arranged in vertical series. The pattern is known (a) Scalariform pitting (b) Intervascular pitting (c) Reticulate thickening (d) Oblique pitting
32.	Which of following plant cells are without vacuoles without nuclei and are dead - (a) Cambium cells (b) Xylem vessels (c) Root hairs (d) Companion cells
33.	The gas responsible for puffing-up appearance of dough comes from – (a) Aerobic respiration (b) Fermentation (c) Photosynthesis (d) Photorespiration
34.	Crop cultivation was first started in (a) Nile river valley (b) Chinese river valley (c) Northern plains of India (d) All of the above
35.	When a plant cell is placed in a hypotonic solution, which of the following will not apply? (a) Wall pressure is decreased (b) The cell become turgid (c) Suction pressure of the cell sap will decrease (d) Water potential of the cell sap will increase Section B
36.	Mutations are caused due to (a) Radioactive mutagens (b) Chemical mutagens (c) Radiation mutagens (d) Change in base sequence
37.	Which is incorrect – (i) ABO blood groups are controlled by the gene I (ii) Gene I has four alleles (iii) IA and IB produce same type of sugar (iv) i or I° produce different type of sugar (v) IA and IB are incomplete dominant
	(a) i, ii (b) v, ii (c) ii, iii, iv (d) ii, iii, iv, v
38.	When secondary growth in thickness is initiated in a dicot root, which of the following happens first (a) Portion of conjunctive parenchyma present below the phloem bundle forms cells of vascular cambium (b) Portion of pericycle above the protoxylem becomes meristematic and forms vascular cambial cells (c) Both (d) Cambial initials between the xylem and phloem divide
39.	Photosynthesis is
	(a) Oxidative, exergonic, catabolic (b) Redox-reaction, endergonic, anabolic (c) Reductive, exergonic, anabolic (d) Reductive, endergonic, catabolic
40.	Flower is complete when it has (a) Calyx, corolla, androecium and gynoecium (b) Calyx and corolla (c) Androecium and gynoecium (d) Corolla, androecium and gynoecium
41.	A man and woman are both affected by vitamin D resistance rickets, which is a dominant sex-linked allele. All of the female offsprings of this couple are affected with rickets but some of the male offsprings are not. What are the genotypes of the parents? (a) Both are homozygous for the trait. (b) The woman has two dominant alleles and man has one dominant allele.
Spa	(c) Both parents have only recessive alleles. ace for rough worlk

	Neet Code -04						
	(d) Each parent has only one dominant allele.						
2.	Glycolysis is present in :- (a) Plants and animal only. (b) Plants, animals and fungi only. (c) Animals only. (d) All living organisms.						
₽3.	Choose the correct option for uptake of mineral ions. (a) Unlike water, all minerals cannot be passively absorbed by roots (b) Most of the minerals enter the root by active transport (c) Ions are absorbed from soil by both passive and active transport (d) All of the above						
	44. Which of the following is the phosphorylating unit						
	(a) Oxysome (b) Mesosome (c) Peroxisome (d) Mitochondria						
5.	The process of conversion of $NH_4 \rightarrow NO_2 \rightarrow NO_3$ is called – (a) Ammonification (b) Nitrification (c) N_2 fixation (d) Denitrification						
ł6.	Two main components that determine water potential are (a) pressure gradient minus water potential (b) solute potential and pressure potential (c) evaporation of water from stem and leaves (d) the overall movement of solutes						
7.	The cambium which produces cork is known as (a) Phelloderm (b) Phellogen (c) Periblem (d) Periderm						
8.	Major pollutant present in the jet plane emission is						
	(a) CCl_4 (b) SO_2 (c) SO_3 (d) fluorocarbon						
9.	Match the column						
	Column II						
	(A) Pusa komal (i) White rust						
	(B) Himgiri (ii) Bacterial blight						
	(C) Brassica (iii) Yellow mosaic virus						
	(D) Parbhani kranti (iv) Leaf and stripe rust (a) A = II, B = IV, C = I, D = III (b) A = I, B = II, C = III, D = IV						
	(a) $A = II, B = IV, C = II, D = III$ (b) $A = I, B = II, C = III, D = IV$ (c) $A = IV, B = I, C = III, D = II$ (d) $A = IV, B = III, C = II, D = I$						
0.	Go through the following facts – I. The pressure that is produced by swelling of wood had been used by prehistoric man to split rocks and boulders II. The seedling is able to come out of soil due to development of a pressure. This pressure is – (a) O.P. (b) T.P. (c) I.P. (d) Ψ_5						
	as for rough worlly						

	Section-A
01.	First step in digestion of fat is - (a) Emulsification (b) Enzyme action (c) Absorption by lacteals (d) Storage in adipose tissue
02.	A living organism can be exceptionally differentiated from a nonliving thing on the basis of its ability for – (a) Reproduction (b) Growth and movement (c) Responsiveness to touch (d) Interaction with environment and progressive evolution
03.	How many types of gametes will be produced by individuals of AABbcc genotype? (a) Two (b) Four (c) Six (d) Nine
04.	Prostate glands in earthworm are present in segments (a) 16 to 25 (b) 17 to 20 (c) 20 - 25 (d) 25 - 30
05.	Which one is correct summary equation of nitrogen fixation?
	(a) $N_2 + 8e^- + 8H^+ + 8ATP \rightarrow NH_3 + H_2 + 16ADP + 16P_1$ (b) $2NH_3 + 40_2 \rightarrow 2H^+ + 2H_2O + 2NO_3^-$
	(c) $N_2 + 8e^- + 8H^+ + 16ATP \rightarrow 2NH_3 + H_2 + 16ADP + 16P_1$ (d) $2NH_3 + 3O_2 \rightarrow 2NO_2^- + 2H^+ + 2N_2O_2$
06.	The fixation of nitrogen in the root nodules is an example of — (a) Associative symbiosis (b) Obligatory symbiosis (c) Non-symbiotic N ₂ -fixation (d) Phyllosphere association
07.	A person suffering from diabetes insipidus will pass what amount of urine per day
	(a) 1 litre (b) $\frac{1}{2}$ litre (c) 3 litres (d) 1.5 litres
08.	Most of the mineral nutrients required by plants are absorbed by the root cells by the process – (a) Phagocytosis (b) Passive transport (c) Active transport (d) Osmosis
09.	Identify the true statements from below - I. Father of taxonomy is John Ray III. Homo sapiens is the scientific name of man III. A taxon is a group of related plants or animals. V. The first step in taxonomy is naming. VII. First time binomial nomenclature was written in latin VIII. The number of species that are known and described, range between 1.7 – 1.8 million (a) I, II, III and IV (b) II, IV, VI, VII and VIII (c) I, III, V and VI (d) II, III, V and VI
10.	All eukaryotic unicellular organisms belong to (a) Monera (b) Fungi (c) Protista (d) Bacteria
11.	'Modern synthetic theory of evolution' is the result of - (a) A union of ideas from several biological specialties (b) Darwin (c) Mendel d) Stebbins
12.	Which of the following statements is false? I. Outer cortex and inner medulla are the two zones in kidney II. Medulla is divided into about renal pyramids III. Pyramid projects into calyx IV. Inwards extension of cortex between the pyramids is called renal column of Bertini. (a) I and IV (b) II and IV (c) IV (d) None
13.	Diseases are broadly grouped into infectious and non – infectious diseases. In the list given below, identify the infectious diseases. (i) Cancer (ii) Influenza (iii) Allergy (iv) Small pox (a) ii and iv (b) i and ii (c) ii and iii (d) iii and iv

	Neet Code -04
14.	Both male and female frogs have (a) Long hindlimbs with five webbed fingers (c) Both a and b (b) Short forelimbs with four unwebbed fingers (d) External ears
15.	Find out the organism with highest life span - (a) Tortoise (b) Horse (c) Dog (d) Fruit fly
	Rate of hormone synthesis and secretion depends upon (a) Functional efficiency of the feedback system (b) Amount of excitation in target tissue (c) Degree of inhibition caused (d) Functional state of the tissue/organ Diversity in the types of beaks of finches adapted to different feeding habits on the Galapagos islands, as observed by Darwin provides evidence for: (a) Intraspecific variations (b) Interspecific competition (c) Intraspecific competition (d) Origin of species by natural selection
18.	Which of the following vertebral in adult human are fused ones? (a) Thoracic and lumber (b) Thoracic and cervical (c) Sacral and coccygeal (d) Cervical and coccygeal
19.	Ploidy of ovary, anther, egg, pollen, male gamete and zygote are respectively - (a) 2n, 2n, n, 2n, n, 2n (b) 2n, 2n, n, n, n, 2n (c) 2n, n, n, n, n (d) 2n, 2n, n, 2n, 2n
20.	If Loop of Henle were absent from mammalian nephrons, which of the following is to be expected? (a) The urine will be more dilute (b) There will be no urine formation (c) The urine will have more concentrated (d) There will be hardly any change in quality and quantity of urine formed
21.	Plants acquire minerals from the soil by: (a) Recyclin (b) Growing (c) Rain water (d) Soil microbes
22.	Chromosomes decondense into diffuse chromatin - (a) At the end of telophase (b) At the beginning of prophase (c) At the end of interphase (d) At the end of metaphase
23.	Tactile receptors in mammals are maximum on (a) Body (b) Limbs (c) Face (d) Head
24.	Amphibians e.g. frogs respire- (a) Through moist skin (b) Lungs (c) Both (d) Trachea
25.	Mental, foot and restricted coelom in pericardium, gonads and kidneys are the characters of (a) Arthropoda (b) Annelida (c) Mollusca (d) Echinodermata
26.	A person suffers punctures in his chest cavity in an accident without any damage to the lungs, its effect could be (a) Reduced breathing rate (b) Rapid increase in breathing rate (c) No change in respiration (d) Cessation of breathing.
27.	The substance produced by a cell in viral infection that can protect other cells from further infection is. (a) Serotonin (b) Interferon (c) Colostrum (d) Histamine
28.	The first experiment on hydrophonics was performed by (a) Sachs (b) Knop (c) Hoagland (d) Arnon
Spa	nce for rough worlk

			Neet Co	ode -04		
29.	Amphibian heart is (a) 2-chambered	(b) 3-chambered	(c) 4-cham	nbered	(d) 5-cl	nambered
30.	The medullary gradient is magnetic (a) Urea & K ⁺	ainly caused by - (b) H ⁺ and K ⁺	(c) NaCl and	l Urea (d) Urea and H ⁺	
31.	Acrosome facilitates the spe (a) Find an ovum	erm to (b) Swim	(c) A	cquire higher	activity (d)	Penetrate membrane of an ovum
32.	Members of Hemichordata a (a) Burrowing animals	are (b) Exclusively	marine (c)	Fresh water v	worms	(d) Terrestrial
33.	At menopause, there is rise (a)FSH	in urinary excretion (b) STH	of (c) L'	ТН	(d) MS	SH
34.	Diapause is shown by (a) Zooplanktons	(b) Frog	(c) Birds	(d) Snakes	•
35.	Which of the following is cu (a) Potato and Sugarcane	ıltivated through veş (b) Banana and	l Ginger	ation - (c) Dahlia a FION B	and Rose	(d) All
36.	The nucleus of a sperm is lo (a) Acrosome	cated in its (b) Head	(c) N	Aiddle piece	(d) Ta	il
37.	In Pheretima, the glands tha (a) Prostate gland	t help in binding the (b) Albumin glan		copulation are essory glands	(d) Mu	cous glands
38.	Which of the following mate (a) Renin – Protein (c) Amylase – Lactose	ch is correct? (b) Trypsin – Sta (d) Invertase – Si				
39.	Which of the following is fi (a) Andi (b) Rosie		d) Lucy			
40.	The theory of natural selecti (a) Does not explain fossils (c) Has the first theory of or			pletely change en failed in ex		n of variations
41.	Which of the following prod (a) Curd (c) Butyric acid	duct is formed by the (b) Roquefort chees (d) Swiss cheese		?		
42.	Fungi are classified on the b (a) Morphology of mycelium (c) Development of fruiting	m (b)	Mode of spore f All	formation		
43.	Carbohydrases are missing (a) Intestinal juice	from (b) Pancreatic jui	ce (c)	Gastric juice	(d) Sali	va
	The efferent process of neur	on is known as				

	Neet Code -04					
45.	(a) Axon (b) Dendrites The immunoglobulin presen (a) IgD (b) IgE	t in mother's mil	l) Neurofi k is (d) IgA	brilae		
46.	Which of the following is r (a) Sterilization	natural method ((b) IUD	of contrac	eption ? (c) Diaphram	(d) Periodic abstinence	
47.	The upper surface of the tong (a) Papillae (c) Frenulus	ue has small proj (b) Taste pore (d) Sulcus term		me of which bear taste bu	uds. These projections are called	
48.	In cockroach, head can move in all directions due to (a) Absence of neck (b) Fusion of all 6 segments of head (c) Flexible neck (d) Head is small and light in weight					
49.	The arthropods do not posses	s				
	(a) True coelom	(b) Exoskeleto				
	(c) Haemocoel	(d) Malpighian	n body			
50.	Bacteria occur - (a) In water only (c) As parasite	(b) In soil on (d) Everywhe				