SOLUTIONS

Mentors Eduserv All India Test Series 2018 Unit Test-6 NEET PATTERN Test Date: 28-10-2017



Mentors Eduserv: Plot No.-136/137, Parus Lok Complex, Boring Road Crossing, Patna-1, Ph. No.: 0612-3223680 / 81, 7781005550 / 51

MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 2] PHYSICS 1. (1) Let the length of a small element of tube be dx. Mass of this element $dm = \frac{M}{I}dx$ - F+dF Where M is mass of filled liquid and L is the length of tube. Force on this element $dF = (dm)\omega^2 x = \left(\frac{M}{L}\right) dx \cdot \omega^2 x$ Integrating $\int_0^F dF = \frac{M}{I} \omega^2 \int_0^L x \, dx$ or $F = \frac{M}{L}\omega^2 \left[\frac{L^2}{2}\right] = \frac{ML\omega^2}{2}$ or $F = \frac{1}{2}ML\omega^2$ 2. (3) Working from gramophone frame, a coin place at distance r remains at rest till F_s (maxi) $\geq F_{centrefugal force}$ $F_{\text{frictional}} \geq F_{\text{centripetal}}$ $\Rightarrow \frac{\mu g}{r} \ge \omega^2$ μ mg \geq m ω ²r 3. (3) We know banking angle is related with velocity and radius of the curve as $\tan \theta = \frac{v^2}{rg}$ $\Rightarrow v = \sqrt{900 \times 10 \times \tan 45^\circ} = 30 \text{ m/sec}$ AIIMS Mentors Eduserv: Plot No.-136/137, Parus Lok Complex, Boring Road Crossing, Mentors

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NEET

MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 4. (1) Here, Mass of a stone, m = 2kg Length of a string, r = 0.5m Breaking tension, T = 900N As T = mr ω^2 or $\omega^2 = \frac{T}{mr} = \frac{900}{2 \times 0.5} = 900$ $\omega = 30 \text{ rad s}^{-1}$ 5. (3) $\mu = \frac{V^2}{rg} = \frac{4.9 \times 4.9}{4 \times 9.8} = 0.61$ 6. (4) $\theta = \tan^{-1}\left(\frac{v^2}{rg}\right) = \tan^{-1}\left[\frac{\left(14\sqrt{3}\right)^2}{20\sqrt{3} \times 9.8}\right] = \tan^{-1}\left[\sqrt{3}\right] = 60^{\circ}$ 7. (2) $\frac{\nu^2}{\mathsf{Rg}} = \left(\frac{\mu_{\mathsf{s}} + \tan\theta}{1 - \mu_{\mathsf{s}}\tan\theta}\right) \implies \nu = \sqrt{\mathsf{Rg}\left[\frac{\mu_{\mathsf{s}} + \tan\theta}{1 - \mu_{\mathsf{s}}\tan\theta}\right]}$ 8. (4) P.(R.0 $\vec{a} = -\frac{v^2}{R}\cos\theta \hat{i} - \frac{v^2}{R}\sin\theta \hat{j}$

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[3]

MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 [4] 9. (2) The block will lose contact with the surface of hemisphere when the centripetal acceleration becomes equal to the component of acceleration due to gravity along the radius. Suppose it happens at the point S as shown in the adjoining figure. The velocity at the point S is given by : v= [2g (r – h)]^{1/2} Mg The centripetal acceleration should be equal to the component of g along SO. i.e., $\frac{v^2}{r} = g \cos \theta$ or $\frac{2g(r-h)}{r} = g \times \frac{h}{r}$ or $2(r-h) = h \therefore h = \frac{2r}{3}$ 10. (1) The minimum velocity which the bucket should have to complete the full circle is, $\upsilon \ge \sqrt{5gR}$ But, $v = r\omega = R \frac{2\pi}{T}$ or $T = \frac{2\pi R}{v}$ But, $\upsilon \ge \sqrt{5gR}$ $i.e., \quad T \leq \frac{2\pi R}{\sqrt{5g}R} \quad \text{or} \quad T \leq 2\pi \; \sqrt{\frac{R}{5g}}$ Given : $R = 2 m, g = 10 m/s^2$ $\therefore \qquad T_{max} = 2\pi \sqrt{\frac{2}{5 \times 10}} = \frac{2\pi}{5} = \frac{2 \times 3.14}{5} = 1.2 \text{ sec}.$ i.e., T = 1 sec Mentors AIIMS Mentors Eduserv: Plot No.-136/137, Parus Lok Complex, Boring Road Crossing, NEET Patna-1, Ph. No.: 0612-3223681/2 | 7544015993/6/7 | 7070999604/5

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[6]	MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17											
13.	(4)											
	Because the particle crosses the topmost point C, with critical speed, hence $V_{c}^{}\text{=}\sqrt{gR}$,											
	where R is the radius of circular path in vertical plane.											
	Now, $V_A^2 = V_C^2 + 2g(2R) = gR + 4gR = 5gR$											
	\therefore V _A = $\sqrt{5gR}$											
	Similarly, $V_B^2 = V_C^2 + 2g(R) = gR + 2gR = 3gR$											
	\therefore $V_{\rm B} = \sqrt{3gR}$											
_	$\therefore \qquad V_{A} : V_{B} : V_{C} = \sqrt{5} : \sqrt{3} : \sqrt{1}.$											
14.	(3) Radius of circular path in the horizontal plane $r = 1 \sin \alpha$											
	Forces acting on the bob are :											
	(i) T = tension in the string											
	(ii) Mg = weight of the bob Resolving T along the vertical and horizontal directions, we get;											
	$T \cos \theta = Mg$ (i)											
	$T\sin\theta = Mr\omega^2 = M(I\sin\theta)\omega^2$											
	T = T											
	or $T = MI\omega^2$ (ii)											
	Dividing eqn. (ii) by eqn. (i), we get ;											
	$\frac{1}{\cos\theta} = \frac{I\omega^2}{g} \text{ or } \omega^2 = \frac{g}{I\cos\theta}$											
	$\therefore \text{ Time period} \qquad t = \frac{2\pi}{\omega} = 2\pi \sqrt{\frac{ \cos \theta }{g}}.$											
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MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 15. (4) 16. (2) Rate of change of speed, $\frac{dv}{dt} = \text{tangential acceleration} = \frac{\text{tangential force}}{\text{mass}} = \frac{\text{mg sin 30}^{\circ}}{\text{m}}$ $= g \sin 30^{\circ} = 10 \times 1/2 = 5 \text{ m}/\text{s}^2.$ 17. (4) Total reaction = weight of the car + centripetal force $= mg + \frac{mv^2}{r} = 700 \left(9.8 + \frac{10 \times 10}{100}\right)$ = 700 x 10.8 = 7560 N. 18. (4) To cross the bridge without leaving the ground, at the highest point of the bridge, $\frac{Mv^2}{R} = Mg \quad \text{or } v = \sqrt{Rg}.$ 19. (3) 20. (1) Horizontal component $B_H = B \cos \phi$ Total intensity of each magnetic field B = $\frac{B_{H}}{\cos \phi}$ $= \frac{1.8 \times 10^5}{\cos 30^\circ} = \frac{1.8 \times 10^{-5}}{\sqrt{3}/2} = 2.08 \times 10^{-5} \text{ Wb}/\text{m}^2$ 21. (2) $\mathsf{B} = \frac{\mu_0 \mathsf{M}}{4\pi r^2}, \mathsf{B}\alpha \frac{\mathsf{M}}{r^2}$ 22. (4) In series current remains same $i_1 = i_2 \Longrightarrow K_1 \tan 60^\circ = K_2 \tan 45^\circ \Longrightarrow \frac{K_1}{K_2} = \frac{1}{\sqrt{3}}$ where $K = \frac{2RB_{H}}{\mu_{0}n}$, for same radius $\frac{\mathsf{K}_1}{\mathsf{K}_2} = \frac{\mathsf{n}_2}{\mathsf{n}_1} \qquad \therefore \frac{\mathsf{n}_1}{\mathsf{n}_2} = \frac{\sqrt{3}}{1}$



[7]

[8]	MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17										
23.	(4)										
	at point P net magnetic field $B_{net} = \sqrt{B_1^2 + B_2^2}$										
	where $B_1 = \frac{\mu_0}{4\pi} \cdot \frac{2M}{d_1^3}$ and $B_2 = \frac{\mu_0}{4\pi} \cdot \frac{M}{d_1^3}$										
	$\Rightarrow B_{net} = \frac{\mu_0}{4\pi} \cdot \frac{\sqrt{5M}}{d^3}$										
	$ (1) \stackrel{\text{\tiny (d)}}{\longrightarrow} d \stackrel{\text{\tiny (d)}}{\longrightarrow} N $										
	$S N \xrightarrow{P B_1}_{B_2} S$										
24.	(4)										
25.	5. (4)										
	For paramagnetic sample (Curie's law) I \propto B / T										
	where, $I_1 = 0.8$ A/m and $B_1 = 0.8$ T										
	$T_1 = 5K \implies B_2 = 0.4T$										
	$T_2 = 20 \text{ K}, I_2 = ?$ $\frac{I_1}{I_2} = \frac{B_2 / T_1}{B_2 / T_2} \Rightarrow \frac{I_1}{I_2} = \frac{B_1 \times T_2}{B_2 \times T_1}$										
	$\implies \qquad \frac{0.8}{l_2} = \frac{0.8 \times 20}{0.4 \times 5}$										
	$\implies I_2 = \frac{0.4 \times 5}{20} = 0.1 \text{ Am}^{-1}$										
26.	(4)										
07	Curie-Weiss law is obeyed by iron above Curie temperature.										
27.	The reversed magnetic field needed to demagnetise the specimen is known as coercivity of the material.										
	$B = \mu_0 H \Longrightarrow \mu_0 ni = \mu_0 H$										
	$\Rightarrow \frac{Ni}{L} = H \qquad \qquad \left(\because n = \frac{N}{L}\right)$										
	or $i = \frac{HL}{N}$ (I)										
	Given, H = 4 x 10^4 Am ⁻¹ , L = 12 cm = 12 x 10^{-2} m and N = 60 turns Substituting the values in Eq. (I), we get										
	$i = \frac{4 \times 10^3 \times 12 \times 10^{-2}}{60} = 8A$										
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[0]

28. (1)
The given,
$$\chi_m = 229$$

 $\mu_0 = 4\pi \times 10^{-7} \text{H/m}, \mu = ?$
We know that $\mu = \mu_0 (1 + \chi_m)$
 $\mu = 4\pi \times 10^{-7} (1 + 299)$
 $\Rightarrow = 4 \times \frac{22}{7} \times 10^{-7} \times 300$
 $\frac{26400}{7} \times 10^{-7} = 3771.4 \times 10^{-7} \text{H/m}$
or $\Rightarrow 3771 \times 10^{-7} \text{Hm}^{-1}$
29. (2)
As, $\mu = \mu_0 (1 + \chi) \text{ or } \mu = 4\pi \times 10^{-7} (1 + 599)$
or $\mu = 7.536 \times 10^{-4} \times 1200\text{T}$
 $f = BA = 7.536 \times 10^{-4} \times 1200\text{T}$
 $f = BA = 7.536 \times 10^{-4} \times 1200\text{T}$
 $f = BA = 7.536 \times 10^{-4} \times 1200\text{V}$
30. (4)
In the sum and difference method of vibration magnetometer
 $\frac{M_1}{M_2} = \frac{T_2^2 + T_1^2}{T_2^2 - T_1^2}$
Here $T_1 = \frac{1}{n_1} = \frac{60}{12} = 5 \text{ sec.}$
 $T_2 = \frac{1}{n_2} = \frac{60}{4} = 15 \text{ sec.}$
 $\therefore \frac{M_1}{M_2} = \frac{15^2 + 5^2}{15^2 - 5^2} = \frac{225 + 25}{225 - 25} = \frac{5}{4}$

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[9]



HEATS 2019 Unit Test-6 (NET_SOL)_28-10-17 [11]
33. (4)

$$\tan \delta^{2} = \frac{\tan \delta}{\cos \theta} = \frac{\tan 4\delta^{2}}{\cos 30^{2}}$$

 $\tan \delta^{2} = \frac{1}{\sqrt{3}/2} = \frac{2}{\sqrt{3}} \delta^{2} = \tan^{-1} \left(\frac{2}{\sqrt{3}}\right)$
34. (3)
In this question, $\cos \alpha < 1$
i.e. $\sin \theta = \sin \theta$; $\sin \theta^{2} = \sin \theta^{2} = \sin \theta$
i.e. angle of apparent dip is more angle of actual dip θ .
35. (3)
Here, $\tan \delta_{1} = \frac{V}{H \cos \theta}$
where,
 $V = \text{vertical component of earth's magnetic field
H = Horizontal magnetic field of earth
 $\int \frac{\delta_{1}}{\delta_{2}} = \frac{V}{H \cos(\theta \theta^{2} - \theta)} = \frac{V}{H \sin \theta}$
 $= \frac{\tan \delta^{2}}{1 - \cos \theta} = \tan \theta \text{ or } \theta = \tan^{-1} \left(\frac{\tan \delta_{1}}{\tan \delta_{2}}\right)$
36. (1)
If α is the angular acceleration produced, then
 $\ln \alpha = MB_{n} \sin \theta$
If θ is small, then $\sin \theta \approx \theta$ and hence the angular acceleration is given by $\alpha = \frac{MB_{n}\theta}{1}$
37. (4)
As potential energy is given as
 $U = -MB(1 - \cos \theta) \Rightarrow U = -MB$
Hence, M and B parallel to each other for minimum potential energy.$

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[12] 38.

(2) Given, work done = W and $\theta = 60^{\circ}$ We know that

 $W = MB(1 - \cos\theta) \Longrightarrow = MB(1 - \cos 60^{\circ}) = \frac{MB}{2}$

Hence, torque
$$|T| = MB \sin 60^\circ = \sqrt{3}W$$

39. (1)

Let a wire of length L is bend in a circular form of radius r.

Then,
$$2\pi r = L \Rightarrow r = \frac{L}{2\pi}$$
 ...(i)

The magnetic dipole moment of a circular ringh M = IA (A is area of the ring) or M = $I_{\pi}r^2$...(ii) On putting the value of r from Eq. (i) in Eq. (ii), we get

$$\mathsf{M} = \mathsf{I}\pi \left(\frac{\mathsf{L}}{2\pi}\right)^2 \Longrightarrow \mathsf{M} = \mathsf{I}\pi \times \frac{\mathsf{L}^2}{4\pi^2} \Longrightarrow \mathsf{M} = \frac{\mathsf{I}\mathsf{L}^2}{4\pi}$$

40. (4)

When magnet is cut axially, new magnetic moment of each part

$$\mathbf{M}_1 = \left(\frac{\mathbf{m}}{2}\right)\mathbf{I} = \frac{\mathbf{M}}{2}$$

On placing both the parts perpendicularly,

$$\mathsf{M}_{2} = \sqrt{\left(\mathsf{M}\right)^{2} + \left(\mathsf{M}\right)^{2}} = \frac{\mathsf{M}}{\sqrt{2}} \Longrightarrow \frac{\mathsf{M}_{1}}{\mathsf{M}_{2}} = \sqrt{2}$$

41. (1)

Pole strength doesn't depend upon the length.

42. (4)

$$B_1 = \frac{2M}{x^3} \text{ and } B_2 = \frac{M}{y^3}$$

As $B_1 = B_2$
Hence $\frac{2M}{x^3} = \frac{M}{y^3} \text{ or } \frac{x^3}{y^3} = 2 \text{ or } \frac{x}{y} = 2^{1/3}$

43. (4)

Force experienced by either of the pole F = mB or 6×10^{-4} = m x 2 x 10^{-5} or m = 30 A - MFurther magnetic moment M = mL or 3 = $30 \text{ L} \Rightarrow \text{ L} = 0.1\text{m}$









MEAI	IS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 [15]										
51.	(1)										
	since SN_1 involves 2 step in which first step is slow and rds										
52.	(2)										
	Factual question										
53.	(1)										
	Factual question										
54.	(1)										
55.	(4)										
56.	(3)										
	It is SN ₂										
57.	(3)										
	Factual question										
58.	(2)										
	E-2 mechanism										
59. CO	(4)										
60.	(1) Since II O is weak base/Nus there fare it favours SNL and E										
61	Since H_2O is weak base/Null there fore it favours SN_1 and E_1										
01.											
K _p =	$K_{c} RT^{\Delta n}, \Delta n = 2 - 4 = -2, K_{p} = K_{c} [RT]^{-2}$										
62.	(4)										
K ₁ =	$\frac{[SO_3]}{[SO_2][O_2]^{1/2}} K_2 = \frac{[O_2][SO_2]^2}{[SO_3]^2} K_2 = \frac{1}{K_1^2}$										
63.	(3) 64. (2) 65. (4)										
66.	(2)										
	In the equation of $K_p = \frac{x^2 p}{1-x}$ neglecting x in the denomination $K_p = x^2 p$ or $x \propto \frac{1}{\sqrt{p}}$										
67.	(3)										
	The K _c for the reaction										
	$PCI_3(g) + CI_2(g) \rightleftharpoons PCI_5(g)$										
	is the reciprocal of K _c of the reaction.										
68.	(4)										
	For 100g of mixture of $\rm N_2$ and $\rm H_2$, the $\rm NH_3$ producted is 20g. For 340 g of mixture of $\rm N_2$ and $\rm H_2$, the $\rm NH_3$ produced is :										



MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 [16] 69. (1) $N_2 + 3H_2 \rightleftharpoons 2NH_3$ 2 0.6 _ Initial mole $0.2 - x \ 0.6 - 3x$ 2x Equilibrium mole. \therefore x = 0.08 mole of N₂ = 0.12; mole of H₂ = 0.36 mole of $NH_3 = 0.16$ Mole ratio considered as volume ratio because P and T are constant. Initial mole = 0.8 Equilibrium mole = 0.12 + 0.36 + 0.16 = 0.64Ratio $=\frac{0.64}{0.8}=\frac{4}{5}$ 70. (1) $PCI_5 \rightleftharpoons PCI_3 + CI_2$ 0.5 2 2 Initial mole Reaction quotient, $Q = \frac{2 \times 2}{0.5 \times 2} = 4$ So, it is in equilibrium. $[PCI_5] = \frac{0.5}{2} = 0.25M$ 71. (2) $CH_3COCH_3 \rightarrow CH_3 - CH_3 + CO$ 100 x x 100 – x $\frac{x}{100+x} = \frac{1}{3} \text{ or } 3x = 100 + x \text{ or } x = 50$ \therefore K_p = 50. 72. (1) 73. (2) $NH_2COOCH_4(s) \rightleftharpoons 2NH_3(g) + CO_2(g)$ 2P P equi P $K_p = 4p^3$ $K_p = (3P)^2 x \text{ or } x = \frac{4P}{9}$ Total pressure now = $3P + \frac{4P}{q} = \frac{31P}{q}$ \therefore Ratio = $\frac{31}{27}$



MEAI	TS 2018_Unit Test-6 (NEET_Sol.)_28-10-17 [17]												
74.	(2)												
	$A(s) \rightleftharpoons B + D K_{P_1} = 400 \text{ atm}^2$												
	$C(s) \rightleftharpoons E + D K_{P_2} = 1600 \text{ atm}^2$												
	$_{P_{1}} = a(a + b)$ $K_{P_{2}} = b(a + b)$												
	Total pressure =2(a+b)=89.4 atm.												
75.	(2)												
	$\begin{array}{rcl} A &+ & B &\rightarrow & C \\ a & 0.1 & - & initial \\ a - x & 0.1 - x & x & equilibrium \end{array}$												
$K_{c} = \frac{C}{A \times B}$													
	$0.9 = \frac{0.06}{0.04(a - 0.06)} \Longrightarrow a = 1.73 \text{M}$												
76.	(1) 77. (4) 78. (2) 79. (2) 80. (2) 81. (1) 82. (3)												
83.	(3)												
	Zn is extracted from its sulphide ore by roasting followed by carbon reduction Hg, Pb and Cu are extracted by self reduction from their sulphide ores.												
84.	(1) 85. (1) 86. (3) 87. (3) 88. (4) 89. (4) 90. (1)												
	BOTANY												
91.	(2)												
92.	(4)												
	Englemann used prism, cladophora and aerobic bacteria which proved action spectrum of photosynthesis.												
93.	(2)												
94.	(2)												
95.	(4)												
	In light reacton only ATP, NADPH ₂ and O_2 are released.												
96.	(3)												
97.	(4)												
	In light reaction sugrar is not produced.												



[18]	MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17												
98.	(3) 99. (4)												
100.	(3)												
	Calvin cycle operates in stroma.												
101.	(3)	102.	(4)										
103.	(1)	1)											
	PGA is the first stable product when CO ₂ is added to RuPB.												
104.	(4)												
105.	(2)												
	Calvin cycle is common to C_3 and C_4 -plants.												
106.	(2) 107. (1)												
108.	(4)												
	At h	igher lig	ht In	tensity o	other factor	s be	ecomes	limiting					
109.	(3)												
110.	(1)												
	OA	A is the f	irst s	stable p	roduct in C	₄ -cy	cle.						
111.	(3)												
112.	(4)												
	6C0	D ₂ , 12 N/	ADP	H ₂ and	18 ATP are	nee	eded to	operate	e 6-turns	s of calvin cycle.			
113.	(2)												
114.	(2)												
	Pho	otosynthe	etic k	pacteria	use H ₂ S S	o do	o not ev	olve O ₂					
115.	(1)	116.	(1)	117.	(1)								
118.	(1)												
	Mai	ze is a C	; ₄ -pla	ants.									
119.	(1)	120.	(3)	121.	(3) 122.	(3)	123.	(4)	124.	(2)			
125.	(2)	126.	(3)	127.	(3) 128.	(3)	129.	(4)	130.	(2)			
131.	(3)	132.	(3)	133.	(2) 134.	(2)	135.	(4)					

ZOOLOGY

136. (4)

The axons transmit nerve impulses **away from** the cell body while the dendrites transmit impulses **towards** the cell bdoy.

137. (3)

In resting stage, the axonal membrane is comparatively more permeable to **potassium** ions and nearly impermeable to **sodium** ions.

- 138. (2)
- 139. (1)
- 140. (2)
- **141.** (4) Piamater \rightarrow Arachnoid \rightarrow Duramater .

142. (2)

It is cerebellum. It is a part of hindbrain. It has very convoluted surface, in order to provided the additional space for more neurons.

143. (2)

The cerebrum wraps around a structre called thalamus, which is a major coordinating centre for sensory and motor signalling.

144. (2)

The inner parts of cerebral hemisphers and a group of associated deep structres like amygdala, hippocampus, etc. form a complex strucre called the limbic lobe or limbic system along with hypothalamus. It is involved in the regulation of sexual behaviour expression of emotional reactions (excitement, pleasure, rage and fear) and motivation.

145. (4)

The hypothalamus contains a number of centres which control body temperature, urge for eating and drinking. It also contains several groups of neurosecretory cells, which secretes hormones called hypothalamic hormones.

146. (4)

A locus of nerve tissue in the ventro-medial nucleus of the hypothalamus is known as satiety center and it controls the appetite.

147. (4)

148. (3)

It is a very narrow cavity in the brain. It is of the mid brain, also known as cerebral aqueduct.

149. (3)

A-afferent neurons; B-efferent neurons; C-CNS; D-effector.



[19]

[20]	0] MEAITS 2018_Unit Test-6 (NEET_Sol.)_28-10-17											
150.	(3)											
	The entire process of response to a peripheral nervous stimulation, that occurs involuntarily, without conscious efforts or through and requires involvement of a part of the central nervous system is called a reflex action.											
151.	(4) 152. (1) 153. (4) 154. (4) 155. (3) 156. (3) 157. (2)											
158.	(2)	159.	(4)	160.	(3) 161.	(3)	162.	(1)	163.	(1)	164.	(4)
165.	(1)	166.	(4)	167.	(2)							
168.	3. (4)											
	Electrical signals-Nerve impulse											
	Bundles of nerve fibres–Nerves											
	Packing cells-Neuroglia											
	Ion Channel–Faciliated diffusion											
169.	(1)											
170.	(2)	. e										
474	Nervo	ous tissi	le form	s the n	ervous sys	stem in	animais	s. It is e	ectoderi	mai in c	origin.	
171.	(4)		cicto of		al hundlo	s of no	rvo fibi		omonly	called	faccio	uli oach
	A nerve consists of several bundles of nerve fibres commonly called fasciculi . each fasciculus is covered by a layer of connective tissue called perineurim . Inside fasciculus, each nerve fibre is covered by a layer of connective tissue called endoneurium . Similarly, each nerve is surrounded by a dense layer of connective tissue called endoneurium .											
172.	(1)				.,	,						
	I–ture	, II–true	, III-fals	se, Iv–fa	alse. <i>Refer</i>	to Ans.	No.96.					
173.	(4)	,										
474	Epen epithe	dymal o elium th	cells, ai at lines	re cilia the ca	ted cells f ivities of C	ound in CNS.	the ce	entral n	iervous	syster	m in th	e form of
1/4.	(2) These are 31 pairs of spinal pervos in human. These are classified into five asure t											
	cervic	al-8 pa	irs, thor	acic-12	2 pairs, lun	nbar-5p	airs, sa	cral-5 p	pairs, co		al-1 pai	r.
175.	(3)											
176.	(2)											
	Pneu prese of ins	motaxic nt in po piration	centre ons regio and the	which on of th ere by a	can mode ne brain. N alter the re	rate the leural si spirator	e functio gnal fro y rate.	ons of t om this	he resp centre	oiratory can rec	rhythm duce the	centre is duration
177.	(1)											
178.	(3)											
	Bown mater stimul	nan's gla ials give ates the	ands, pr es off ch e nerve	esent i iemical cells of	n the lining particles, v f the olfact	g of nasa which ar ory regio	al epith e carrie on whe	elium, s ed into tl n dissol	ecretes he nose ved in f	mucou with the this mu	us. All o ne inhal cous.	doriferous ed air and
179.	(2)											
180.	(4)											
	The a not re	utonom gulate 1	the ner	vous s vous sy	system regi /stem.	ulates th	ne secre	etion of	glands	, where	eas the	glands do
Ment	AllMS NEET Mentors Eduserv: Plot No136/137, Parus Lok Complex, Boring Road Crossing, Patna-1, Ph. No. : 0612-3223681/2 7544015993/6/7 7070999604/5											