# AITS FULL TEST-09

## ANSWER KEY

				гп	15105				
<b>Q.1</b> (2)	<b>Q.2</b> (2)	<b>Q.3</b> (2)	<b>Q.4</b> (2)	<b>Q.5</b> (2)	<b>Q.6</b> (1)	<b>Q.7</b> (4)	<b>Q.8</b> (2)	<b>Q.9</b> (1)	<b>Q.10</b> (1)
<b>Q.11</b> (2)	Q.12(2)	<b>Q.13</b> (2)	<b>Q.14</b> (4)	<b>Q.15</b> (2)	<b>Q.16</b> (1)	<b>Q.17</b> (4)	<b>Q.18</b> (1)	<b>Q.19</b> (1)	<b>Q.20</b> (1)
<b>Q.21</b> (4)	<b>Q.22</b> (1)	<b>Q.23</b> (3)	<b>Q.24</b> (1)	<b>Q.25</b> (4)	<b>Q.26</b> (4)	<b>Q.27</b> (2)	Q.28(2)	Q.29(2)	<b>Q.30</b> (2)
<b>Q.31</b> (4)	<b>Q.32</b> (3)	<b>Q.33</b> (1)	<b>Q.34</b> (1)	<b>Q.35</b> (3)	<b>Q.36</b> (1)	<b>Q.37</b> (2)	<b>Q.38</b> (4)	<b>Q.39</b> (1)	<b>Q.40</b> (3)
<b>Q.41</b> (4)	<b>Q.42</b> (3)	<b>Q.43</b> (3)	<b>Q.44</b> (3)	<b>Q.45</b> (1)	<b>Q.46</b> (3)	<b>Q.47</b> (2)	<b>Q.48</b> (2)	<b>Q.49</b> (2)	<b>Q.50</b> (1)
				CHE	MISTRY				
<b>Q.51</b> (1)	<b>Q. 52</b> (4)	<b>Q. 53</b> (3)	<b>Q.54</b> (4)	<b>Q.55</b> (1)	<b>Q.56</b> (1)	<b>Q.57</b> (2)	<b>Q.58</b> (4)	<b>Q.59</b> (3)	<b>Q.60</b> (4)
<b>Q.61</b> (3)	<b>Q.62</b> (4)	<b>Q.63</b> (2)	<b>Q.64</b> (3)	<b>Q.65</b> (2)	<b>Q.66</b> (2)	<b>Q.67</b> (4)	<b>Q.68</b> (3)	<b>Q. 69</b> (3)	<b>Q.70</b> (3)
<b>Q.71</b> (2)	<b>Q.72</b> (4)	<b>Q.73</b> (3)	<b>Q.74</b> (4)	<b>Q.75</b> (2)	<b>Q.76</b> (4)	<b>Q.77</b> (3)	<b>Q.78</b> (4)	<b>Q.79</b> (3)	<b>Q.80</b> (1)
<b>Q.81</b> (1)	<b>Q.82</b> (1)	<b>Q.83</b> (2)	<b>Q.84</b> (3)	<b>Q.85</b> (2)	Q.86(2)	<b>Q.87</b> (3)	<b>Q.88</b> (2)	<b>Q.89</b> (3)	<b>Q.90</b> (2)
<b>Q.91</b> (4)	<b>Q.92</b> (1)	<b>Q.93</b> (3)	<b>Q.94</b> (2)	<b>Q.95</b> (3)	<b>Q.96</b> (4)	<b>Q.97</b> (4)	<b>Q. 98</b> (1)	<b>Q.99</b> (1)	<b>Q.100</b> (3)
				BIC	DLOGY				
<b>Q.101</b> (4)	Q.102 (4)	<b>Q.103</b> (3)	Q.104(3)	<b>Q.105</b> (3)	Q.106(1)	<b>Q.107</b> (3)	Q.108(2)	Q.109(1)	<b>Q.110</b> (4)
<b>Q.111</b> (1)	Q.112(1)	<b>Q.113</b> (4)	<b>Q.114</b> (3)	Q.115(2)	Q.116(2)	<b>Q.117</b> (3)	<b>Q.118</b> (3)	Q.119 (3)	Q.120(4)
<b>Q.121</b> (4)	<b>Q.122</b> (4)	<b>Q.123</b> (3)	Q.124(1)	<b>Q.125</b> (3)	<b>Q.126</b> (3)	<b>Q.127</b> (1)	Q.128(2)	Q.129 (4)	Q.130(3)
<b>Q.131</b> (4)	Q.132(2)	<b>Q.133</b> (4)	Q.134(1)	Q.135(1)	<b>Q.136</b> (1)	<b>Q.137</b> (1)	Q.138(2)	Q.139(1)	Q.140(2)
<b>Q.141</b> (2)	<b>Q.142</b> (3)	<b>Q.143</b> (2)	<b>Q.144</b> (1)	<b>Q.145</b> (4)	<b>Q.146</b> (1)	<b>Q.147</b> (3)	<b>Q.148</b> (1)	<b>Q.149</b> (3)	Q.150(2)
<b>Q.151</b> (2)	<b>Q.152</b> (3)	<b>Q.153</b> (2)	<b>Q.154</b> (3)	<b>Q.155</b> (2)	Q.156(2)	<b>Q.157</b> (3)	<b>Q.158</b> (3)	<b>Q.159</b> (3)	<b>Q.160</b> (3)
<b>Q.161</b> (3)	Q.162(1)	<b>Q.163</b> (3)	<b>Q.164</b> (3)	<b>Q.165</b> (3)	<b>Q.166</b> (1)	<b>Q.167</b> (3)	<b>Q.168</b> (1)	<b>Q.169</b> (1)	<b>Q.170</b> (4)
<b>Q.171</b> (3)	<b>Q.172</b> (2)	<b>Q.173</b> (2)	<b>Q.174</b> (1)	<b>Q.175</b> (3)	<b>Q.176</b> (3)	<b>Q.177</b> (4)	<b>Q.178</b> (4)	<b>Q.179</b> (3)	<b>Q.180</b> (1)
<b>Q.181</b> (4)	<b>Q.182</b> (3)	<b>Q.183</b> (1)	<b>Q.184</b> (2)	<b>Q.185</b> (3)	<b>Q. 186</b> (3)	<b>Q.187</b> (2)	<b>Q.188</b> (1)	<b>Q.189</b> (1)	<b>Q.190</b> (2)
<b>Q.191</b> (4)	<b>Q.192</b> (1)	<b>Q.193</b> (3)	<b>Q.194</b> (3)	<b>Q.195</b> (2)	<b>Q.196</b> (1)	<b>Q.197</b> (3)	<b>Q.198</b> (4)	<b>Q.199</b> (2)	<b>Q.200</b> (3)

## PHYSICS

**Q.1** (2)

absolute error = 
$$\frac{\left| 0.1 + 0.1 + 0.2 \right|}{3}$$
$$= 0.1$$
Relative error = 
$$\frac{0.1}{2} = 0.05$$
Percentage error = 
$$0.05 \times 100$$
$$= 5\%$$

**Q.2** (2)

$$a = \frac{d^2 x}{dt^2}$$

$$\frac{dx}{dt} = 2\beta t , \ \frac{d^2x}{dt^2} = 2\beta$$

 $= 16 \mbox{ cm/s}^2 \label{eq:scalar}$  Acceleration is constant at 16  $\mbox{ cm/s}^2$ 

**Q.3** (2)

Slope of displacement-time graph gives velocity



Slope of A&B is same

(2) Relative velocity = 144 km/h = 40 m/s  $\Rightarrow$  Length = 40 m/s × 8 s = 320 m

Q.4

$$u_y = 150 \sin 60^\circ$$

(2)

$$= 150 \times \frac{\sqrt{3}}{2} = 75 \sqrt{3} \text{ m/s}$$
  

$$v_y = 150 \cos 60^\circ = 75 \text{ m/s}$$
  

$$v_y = k_y + (-g)t$$
  

$$\Rightarrow 75 = 75 \sqrt{3} - 10t$$
  

$$t = \frac{75\sqrt{3} - 75}{10}$$
  

$$= \frac{15}{2} (\sqrt{3} - 1) \text{ sec.}$$

**Q.6** (1)

A physical beam balance measures normal reaction which will be greater than the weight of body when elevator accelerating upwards.

**Q.7** (4)

 $\omega = 2\pi n = 7\pi$  $F = mr\omega^{2}$  $\mu mg = mr\omega^{2}$ 

$$\mu = \frac{r\omega^2}{g}$$

**Q.8** (2)

Momentum lost by bullet = momentum gained by bob. Bob velocity, v = 0.2 v

$$v_{b} = \sqrt{2gh}$$
  
=  $\sqrt{2 \times 10 \times 20} = 20 \text{ m/s}$   
 $\Rightarrow 0.2u = 20$   
 $u = 100 \text{ m/s}$ 

**Q.9** (1)

Power =  $P \frac{dv}{dt} = h\rho g \times \frac{5 \times 10^3 \times 10^{-6}}{60}$ =  $\frac{120 \times 10^{-3} \times 13.6 \times 10^3 \times 10 \times 5 \times 10^{-3}}{60}$ = 1.36W

## **Q.10** (1)

Given moment of inertia 'I' = 1.5 kgm<sup>2</sup> Angular Acc " $\alpha$ " = 20 Rad/s<sup>2</sup>

$$KE = \frac{1}{2}I\omega^{2}$$

$$1200 = \frac{1}{2}1.5 \times \omega^{2}$$

$$\omega^{2} = \frac{1200 \times 2}{1.5} = 1600$$

$$\omega = 40 \text{ rad/s}^{2}$$

$$\omega = \omega_{0} + \alpha t$$

$$40 = 0 + 20 \text{ t}$$

$$t = 2 \text{ sec.}$$
(2)

$$\alpha = \frac{\Delta \omega}{\Delta t} = \frac{25 \times 2\pi}{5} = 10\pi \text{ rad/sec}^2$$
$$\tau = \left(\frac{5}{4}\text{MR}^2\right)\alpha$$
$$= \frac{5}{4} \times 5 \times 10^{-3} \times (10^{-2})^2 \times 10\pi$$
$$= 1.9625 \times 10^{-5} \text{ Nm}$$
$$\approx 2.0 \times 10^{-5} \text{ Nm}$$

**Q.12** (2)

Gravitational potential

$$= -\frac{GM}{\frac{3a}{2}} + \left(-\frac{GM}{2a}\right)$$
$$= -\frac{GM}{a}\left(\frac{2}{3} + \frac{1}{2}\right)$$
$$= -\frac{7}{6}\frac{GM}{a}$$

**Θ.13** (2)

$$\left(\frac{T'}{T}\right)^2 = \left(\frac{9R}{R}\right)^3$$
$$T \Box^2 = T^2 \cdot 9^3$$
$$T \Box = T \cdot 3^3$$
$$T \Box = 27 T$$

**Q.14** (4)



Q.15 (2)

For closed organ pipe, first overtone,  $f_2 = \frac{3v}{4\ell c}$  for open organ pipe,

Third overtone,  $f_5 = \frac{4}{2} \frac{v}{\ell_0}$   $f_2 = f_5$   $\Rightarrow \frac{3v}{4\ell c} = \frac{4v}{2\ell_0}$  $\frac{\ell_1}{\ell_2} = \boxed{\frac{\ell_c}{\ell_0} = \frac{3}{4}}$  **Q.16** (1)

The volume change during vaporisation of water is much larger than that during melting of ice. Thus, more work is done during vaporisation and hence more heat required.

 $E \propto T^4$  [stefan's law]

$$\frac{E'}{E} = \left(\frac{273}{819}\right)^4 = \frac{1}{3^4} = \frac{1}{81}$$

$$E^1 = \frac{E}{81}$$

**Q.18** (1)

$$V \propto T \Rightarrow \frac{V_1}{V_2} = \frac{T_1}{T_2} \Rightarrow \frac{200}{V_2} = \frac{(273 + 20)}{(273 - 20)} = \frac{293}{253}$$
$$V_2 = \frac{200 \times 253}{293} = 172.6 \,\text{ml}$$

Q.19 (1)

$$\begin{split} &\Delta Q = \Delta U + W \\ &W = \text{area under PV curve} = \Delta Q - \Delta U \\ &= 18P_0V_0 - nC_v\Delta T \\ &= 18P_0V_0 - \frac{3}{2}nR\Delta T \\ &W = 18P_0V_0 - \frac{3}{2}(P_2V_2 - P_1V_1) \\ &= 18P_0V_0 - \frac{3}{2}(9P_0V_0 - 2P_0V_0) \\ &= 18P_0V_0 - \frac{21}{2}P_0V_0 \\ &= 7.5P_0V_0 \end{split}$$

**Q.20** (1)

$$Y = \frac{F\ell}{A\Delta\ell}, F = \frac{AY\Delta\ell}{\ell}$$
$$\frac{F_1}{F_2} = \frac{A_1}{A_2} \times \frac{\ell_1}{\ell_2} = \left(\frac{1}{2}\right)^2 \times 2 = \frac{1}{2}$$

**Q.21** (4)

Pressure difference  $P_2 - P_1 = \frac{\rho}{2} \left( V_1^2 - V_2^2 \right)$ (According to Bernoulli's theorem)

**Q.22** (1)

Rise h = 
$$\frac{2T\cos\theta}{r\rho g}$$

$$g_{moon} = \frac{1}{6}g_{earth} \Longrightarrow h_{moon} = 6h_{earth}$$

**Q.23** (3)

To avoid formation of bubbler the balls should be wetted with the used viscous liquid.

Q.24 (1)  

$$\frac{2K\lambda}{r} = \frac{\sigma}{\varepsilon_0} \qquad (\xi = 3\mu)$$

$$\sigma = \frac{2\varepsilon_0\lambda}{4\pi\varepsilon_0 r}$$

$$\sigma = 0.424 \times 10^{-9} \frac{C}{m^2}$$

(4)  $V_A - V_B = \vec{E}.\vec{AB} = -5 \times 10^3 [0.2 + 0.4]$ =-3000V.

Q.26 (4) 
$$V=0$$

Q.25



Q.27 (2)

$$H_{loss} = U_{stored} = \frac{1}{2}CV^{2}$$
$$= \frac{1}{2} \times 2 \times 10^{-6} \times 4 \times 10^{4}$$
$$= 4 \times 10^{-2} \text{ Joule}$$

Q.28 (2)

On increasing temperature, the thermal speed of electrons increases. Thus, less time between two collisions.

**Q.29** (2)

After pressing  $K_1$ ,  $K_2$  is then closed and after that Rheostat is varied.

**Q.30** (2)

$$V_{R} = 2V = \left(\frac{R}{500 + R}\right) \times 12$$
$$\Rightarrow R = 100 \,\Omega$$



$$\frac{P}{Q} = \frac{R}{S} \Longrightarrow \frac{P}{Q} = \frac{R(S_1 + S_2)}{S_1 S_2}$$

Q.32 (3)

$$B_0 = B_{BB'} + B_{BA} + B_{AA'} + B_{CC'} + B_{CO} + B_{DD}$$
$$= \frac{\mu_0 T}{4\pi R} + \frac{\mu_0 T}{8R} + \frac{\mu_0 T}{4\pi R} + 0$$
$$+ \left(\frac{-\mu_0 I}{8R}\right) + 0$$
$$= \frac{\mu_0 I}{4\pi R}$$

Q.33 (1)

$$R = \frac{mv}{qs} = \frac{\sqrt{2mK}}{qB}$$

$$R_1 = R_2$$

$$\frac{\sqrt{2m_p K_p}}{e B} = \frac{\sqrt{2(4m_p)K_\alpha}}{(2e) (2B)}$$

$$\frac{K_p}{K_\alpha} = \frac{1}{4}$$

Q.34 (1)

$$S_{i} = \frac{nAB}{K}$$
$$S_{v} = \left(\frac{nAB}{KR}\right)$$

As R increases,  $\frac{n}{R}$  ratio remains same.

#### Q.35 (3)

Induced emf is given by,  $E \propto -\frac{d\phi}{dt}$ 

$$\alpha-\frac{di}{dt}$$

for linear graph

 $\frac{di}{dt} = constant$ 

Q.36 (1)

We know  $X_L = \omega L$  and  $X_C = \frac{1}{\omega C}$ 

(a) For X<sub>L</sub> > X<sub>C</sub>, voltage leads the current (ii)
(b) For X<sub>L</sub> = X<sub>C</sub>, voltage and current are in same phase (i)

(c) For  $X_L < X_C$ , current leads the voltage (iv) (d) For resonant frequency  $X_L = X_C$ , current is maximum (iii)

#### Q.37 (2)

In L - C - R series AC circuit. Power dissipated initially increases with increase in frequency then reaches the maximum value at resonant frequency.

Q.38 (4)

$$z = \sqrt{100^{2} + (200 - 200)^{2}}$$
  
= 100 \Omega  
V 200\sqrt{2}

$$i_{\rm rms} = \frac{v_{\rm rms}}{z} = \frac{200\sqrt{2}}{100} = 2\sqrt{2}A$$

Q. 39 (1)

Thickness of slab =  $(9 + 5) \times \mu$  $= 14 \times 1.5$  $=21 \,\mathrm{cm}$ 

Q.40 (3)

$$r_1 = r_2 = \frac{\Lambda}{2} = 30^\circ$$
  
by Snell's law

$$1 \times \sin i = \sqrt{3} \times \frac{1}{2} = \frac{\sqrt{3}}{2}$$
$$i = 60$$

#### Q.41 (4)

 $\frac{1}{v}$ 

Image by convex lens :

$$\frac{1}{v} - \frac{1}{u} = \frac{1}{f} ; \quad \frac{1}{v} + \frac{1}{20} = \frac{1}{5} ; v = \frac{20}{3} \text{ cm}$$
  
Image by concave lens :

$$u = \left[\frac{20}{3} - 2\right] = \frac{14}{3} \text{ cm} \qquad \frac{1}{v} - \frac{1}{u} = \frac{1}{f} \quad ; \quad \frac{1}{v} - \frac{3}{14} = -\frac{1}{5}$$
  
v = 70 cm

Q. 42 (3)

$$\begin{split} \mathbf{I}_{\max} &= \left(\sqrt{\mathbf{I}_1} + \sqrt{\mathbf{I}_2}\right)^2 \\ \mathbf{I}_{\min} &= \left(\sqrt{\mathbf{I}_1} - \sqrt{\mathbf{I}_2}\right)^2 \end{split}$$

4

$$\frac{I_{max} - I_{min}}{I_{max}} = \frac{\left(\sqrt{I_1} + \sqrt{I_2}\right)^2 - \left(\sqrt{x_1} - \sqrt{x_2}\right)^2}{\left(\sqrt{I_1} + \sqrt{I_2}\right)^2}$$
$$= \frac{(2+1)^2 - (2-1)^2}{(2+1)^2} = \frac{3^2 - 1^2}{3^2} = \frac{8}{9}$$
(3)
$$\frac{hc}{\lambda} = \phi$$
$$\Rightarrow \lambda_{max} = \frac{hc}{\phi} = \frac{6.6 \times 10^{-34} \times 3 \times 10^8}{4 \times 1.6 \times 10^{-19}} = 310 \text{ nm}$$
(3)

Possible number of spectral lines  $=\frac{n(n+1)}{2}$ Q.45 (1)

A → Series limit of laymen B →  $3^{rd}$  line of Balmer C →  $2^{rd}$  line of paschan

**Q.46** (3)

Q.43

Q.44

Atomic mass of 
$${}^{9}_{4}Be = 9$$
  
Radius  $R \propto A^{1/3}$   
 $R_x = 2R_{Be}$   
 $\Rightarrow (A_x)^{1/3} = 2(9)^{1/3}$   
 $A_x = 2^3 \times 9$   
 $= 72$ 





Q.48 (2)

For intrinsic semiconductor concentration of electron & holes always equal

Q.49 (2)

As temperature increases and at curie temperature ferromagnetic substances change to paramagnets.

Speed of Electromagnetic wave =  $\frac{E}{B} = c$ 

$$\Rightarrow \frac{\mathrm{B}}{\mathrm{E}} = \mathrm{c}^{-1} = \frac{1}{\mathrm{c}}$$

## CHEMISTRY

Q.51	(1)
0.52	(4)
0.53	(3)
0.54	(4)
0.55	(1)
0.56	(1)
0.57	(1)
0.58	(2)
0.50	(4)
Q.39	(3)
Q.00	(4)
Q.01	(3)
Q.02	(4)
Q.63	(2)
Q.64	(3)
Q.65	(2)
Q.66	(2)
Q.67	(4)
Q. 68	(3)
Q. 69	(3)
Q.70	(3)
Q.71	(2)
Q.72	(4)
Q.73	(3)
Q.74	(4)
Q. 75	(2)
Q.76	(4)
Q.77	(3)
Q.78	(4)
Q.79	(3)
Q.80	(1)
Q.81	(1)
	A & R are ture and R is the correct explanation of A.
Q.82	(1)
	Both statements are true
Q.83	(2)
Q.84	(3)
Q.85	(2)
Q.86	(2)
Q.87	(3)
Q.88	(2)
Q.89	(3)
Q.90	(2)
Q.91	(4)
Q. 92	(1)
Q. 93	(3)
Q. 94	(2)
Q. 95	(3)
Q.96	(4)
Q.97	(4)
Q. 98	(1)
Q.99	(1)
Q.100	(3)

	BIOLOGY	Q.132	(2)
Q.101	(4)	Q.133	(4)
Q.102	(4)	Q.134	(1)
0.103	(3)	0.135	(1)
0.104		0.136	(1)
Hint	Of Pteridonhytes require water for fertilisation	0 137	(1)
11111.	Compton bytes of ptoridon bytes require cool damp and	0.139	(1)
	chadu places to grow	Q.130	(2)
	shady places to grow.	Q.139	
0.40		Q.140	(2)
Q.105	(3)	Q.141	(2)
Q.106	(1)	Q.142	(3)
	Cymose inflorescence may have more than one flowers		NCERT (XI) Ch - 10, Pg. 165, Fig. 10.2 (b)
	as in jasmine (Biparous cyme)	Q.143	(2)
		Q.144	(1)
Q.107	(3)	Q.145	(4)
Q.108	(2)	Q.146	(1)
		Q.147	(3)
Q.109	(1)	Q.148	(1)
<b>0.110</b>	(4)	0.149	(3)
		0.150	(2)
0.111	(1)	0.151	(2)
0.112	(1)	0.152	(2)
Q.112	(1) In an animal call call furrow occurs on the plasma	0.152	(3)
	mambrane during cytokinesis. This furrow gradually	0.154	(2)
	deepens and ultimately joins the centre, thus dividing	Uint:	(J) Thin and flavible articular membrane
	the cell exteriler into two	пш.	Final and flexible and the monotone.
	the cell cytoplasm into two.		Exoskeleton for each segment consists of a dorsal
0.110			tergum, a ventral sternum and lateral pleura; these plates
Q.113	(4)		are joined to each other by a thin and flexible articular
Q.114	(3)		membrane known as arthrodial membrane.
Q.115	(2)		
Q.116	(2)	Q.155	(2)
Q.117	(3)	Q.156	(2)
	Constant growth rate in root and shoot elongation is	Q.157	(3)
	the simplest expression of arithmetic growth.	Q.158	(3)
	Mathematically, it can be expressed as	Q.159	(3)
	$L_{t} = L_{0} + rt$	Q.160	(3)
	L = length at time 't'		a. Diplotne
	$L_{0} = $ length at time 'zero'		b. Pachytene
	r = growth rate / elongation per unit time		c. Leptotene
0.118	(3)		d. Metaphase 1
0.119	(3)		e Diakinesis
X	Hint: Insect pollinated flowers are colourful bright and		
	fragrant to attract insects for pollination	0 161	(3)
	Pollen grains are sticky in insect pollinated flowers	0.162	(1)
	Tohen grains are streky in insect poinnated nowers.	Q.102 0.162	(1)
0 120	(4)	Q.103	(3)
Q.120	(4)	Q.104	
Q.121	(4)	Hint:	I nese cells are granular, phagocytic and most abundant
Q.122	(4)		type of WBCs.
Q.123	(3)		Differential leukocyte count i.e., DLC reveals percentage
Q.124	(1)		of type of WBCs in blood.
Q.125	(3)		Neutrophils - 60-65%
Q.126	(3)		Lymphocytes - 20-25%
Q.127	(1)		Monocytes - 6-8%
Q.128	(2)		Eosinophils - 2-3%
Q.129	(4)		
Q.130	(3)	Q.165	(3)
0.131	(4)	Q.166	(1)
x		-	

Q.167	(3)
Q.168	(1)
Q. 169	(1)
Q.170	(4)
Q.171	(3)
Q.172	(2)
Q.173	(2)
0.174	(1)
0.175	(3)
0.176	(3)
0.177	(4)
0.178	(4)
0.179	(3)
Hint :	They existed around 15 mya
	Ramanithecus was more man-like while Dryonithecus
	was more ane-like. They existed around 15 mya. They
	were hairy and walked like gorillas and chimpanzees
0 180	(1)
Q.100 O 181	(1)
Q.101	(4)
Q.102	(3)
Q.103	(1)
Q.104	(2)
Q.105	(3)
11 130	(1)
Q. 100	
Q. 180 Q.187	(2) (2)
Q.180 Q.187 Hint:	<ul><li>(2)</li><li>Tendons contain parallel bundles of fibres and cells.</li></ul>
Q.180 Q.187 Hint:	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found</li> </ul>
Q.180 Q.187 Hint:	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments</li> </ul>
Q.180 Q.187 Hint:	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> </ul>
Q.180 Q.187 Hint:	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> </ul>
Q.180 Q.187 Hint:	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> </ul>
Q.180 Q.187 Hint: Q.188 Q.189	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> </ul>
Q.180 Q.187 Hint: Q.188 Q.189 Q.190	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191 Q.192	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191 Q.192 Q.193	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195	<ul> <li>(2)</li> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells.</li> <li>Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> </ul>
Q.188 Q.187 Hint: Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> </ul>
Q.187 Hint: Q.188 Q.188 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> </ul>
Q.188 Q.187 Hint: Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196 Q.197	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> <li>(3)</li> </ul>
Q.180 Q.187 Hint: Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196 Q.197 Q.198	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> <li>(3)</li> <li>(4)</li> </ul>
Q.186 Q.187 Hint: Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196 Q.197 Q.198 Q.199	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> <li>(3)</li> <li>(4)</li> <li>(2)</li> </ul>
Q.188 Q.187 Hint: Q.188 Q.189 Q.190 Q.191 Q.192 Q.193 Q.194 Q.195 Q.196 Q.197 Q.198 Q.199 Q.200	<ul> <li>(2)</li> <li>Tendons contain parallel bundles of fibres and cells. Lamellae are exclusive to bones while lacunae are found in both bones and cartilage. Tendons and ligaments are example of dense regular connective tissue.</li> <li>(1)</li> <li>(1)</li> <li>(2)</li> <li>(4)</li> <li>(1)</li> <li>(3)</li> <li>(3)</li> <li>(2)</li> <li>(1)</li> <li>5S rRNA, tRNA and SnRNA</li> <li>(3)</li> <li>(4)</li> <li>(2)</li> <li>(3)</li> </ul>