110.	A man drives a car and 10 km/hr, he would he (A) 80 km	d reaches his destinatio ave reached in 3 hours, (B) 120 km	on in 4 hours. Had he in 12 minutes. What dista (C) 160 km	creased his speed by nce did the man cover? (D) 210 km				
111.	111. Match the following -							
		1. Lysosomes	a. Power House					
		2. DNA	b. Chromosomes					
		3. Mitochondria	c. Suicide bags					
	(A) 1-a, 2-c, 3-b	(B) 1-c, 2-b, 3-a	(C) 1-b, 2-c, 3-a	(D) 1-c, 2-a, 3-b				
112.	In C.G.S system, the	unit of strain is:		to access manager and recommendation of the con-				
	(A) cm/kg	(B) m/kg	(C) no unit	(D) None of these				
113.	113. A hardened steel file is used for removing metal or giving good finish to metals. Arrange the files in the increasing order of smoothness.  (1) Rough file (2) Bastard file (3) Second cut file (4) Smooth file  (A) 4, 3, 2, 1 (B) 1, 2, 3, 4 (C) 2, 1, 3, 4 (D) 4, 3, 1, 2							
114.		g software is generally	used for managing larg	e number of activities				
	of a civil engineering (A) MS Eng	(B) MS Project	(C) SQL Projects	(D) d Base Project				
115.	The chemical reactio	n between cement and	water is:					
	(A) Hydration	(B) Chlorination	(C) Calcination	(D) None of these				
116.	Arya samaj was found (A) Raja Ram Mohan Roy		(C) Swami Dayanand Saraswati	(D) Anne Besant				
117.	In potable water, the (A) <6µg/l	dissolved oxygen is stip (B) >6μg/l	pulated as- (C) <6mg/l	(D) >6mg/l				
118.	A clock is placed on	the floor upside down a	t 9 O'clock. If the minu	ite hand is pointing				
	South East, the hour (A) North east	hand would be pointing (B) North west	g- (C) South east	(D) South west				
<ul> <li>In a car race course, the race starts in North East direction. The road starts curving in a circular path after 5 km. After 3/4 th of the circle the road is straight. In which direction would the cars be running on this straight road?</li> <li>(A) North west</li> <li>(B) South west</li> <li>(C) South east</li> <li>(D) Insufficient data</li> </ul>								
120.								
	(A) Casting	(B) Forging	(C) Turning	(D) Milling				
121. Consider following contours:								
	1)	2)	3)	400 300 200				
Match the following a) Hill b) Pond c) Slope								
	(A) 1-b, 2-a, 3-c	(B) 1-a, 2-b, 3-c	(C) 1-a, 2-c, 3-b	(D) 1-c, 2-b, 3-a				

appliance could be a- (A) DC motor (B) AC induction (C) AC generator (D) Both (B) motor  125. The linkage of atoms of the same elements into longer chains is called: (A) Sublimation (B) Catenation (C) Affiliation (D) Linkage  126. How many Fundamental Rights are guaranteed by the Constitution of India? (A) 7 (B) 3 (C) 5 (D) 6  127. Value of π (approx. value 3.14) is: (A) Terminating decimal (C) Non-terminating non-repeating decimal (D) Indeterminate  128. If h is the depth of water held by a dam and A is the cross section area of the water thickness of wall of the dam, then the maximum pressure on the wall of the depend upon: (A) A, h & t (B) A & h (C) h & t (D) h  129. Complete the series logically.  (A) His struggle (B) Music & Singing (C) Paintings (D) Hindu (C) h & t (D) They balance the inductive component of transformer coils to smoothen the supply (C) They balance the inductive component of transformer coils to smoothen the supply  130. Raja Ravi Varma was famous for: (A) His struggle (B) Music & Singing (C) Paintings (D) Hindu (C) h & t (D) h  131. What are capacitor banks in the context of electricity supply to a city? (A) They add capacitance to the supply so that electricity is stored in case of breakdown (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of- (A) Plassey (B) Buxar (C) Talikota (D) Wandin  133. A coin is tossed two times. On both occasions, the result is heads. When the coath third time, what is the probability of getting a head? (A) 1 (B) 1/2 (C) Talikot of Human evolution	122.	. India's first war of Independence (related to (A) 1835 (B) 1857	(C) 1892	n: (D) 1905			
124. An electrical appliance has a yoke, stator winding, rotor, commutator, carbon b appliance could be a- (A) DC motor (B) AC induction (C) AC generator (D) Both (B) motor  125. The linkage of atoms of the same elements into longer chains is called: (A) Sublimation (B) Catenation (C) Affiliation (D) Linkage  126. How many Fundamental Rights are guaranteed by the Constitution of India? (A) 7 (B) 3 (C) 5 (D) 6  127. Value of π (approx. value 3.14) is: (A) Terminating decimal (D) Indeterminate  128. If h is the depth of water held by a dam and A is the cross section area of the water thickness of wall of the dam, then the maximum pressure on the wall of the depend upon: (A) A, h & t (B) A & h (C) h & t (D) h  129. Complete the series logically.  (A) His struggle (B) Music & Singing (C) Paintings (D) Hindu (D) against the British  131. What are capacitor banks in the context of electricity supply to a city? (A) They add capacitance to the supply so that electricity is stored in case of breakdown (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of. (A) Plassey (B) Buxar (C) Talikota (D) Wandiv (D) Talikota (D) Talikota (D) Wandiv (D) Talikota (D) Ta	123						
(A) DC motor  (B) AC induction motor  125. The linkage of atoms of the same elements into longer chains is called:  (A) Sublimation  (B) Catenation  (C) Affiliation  (D) Linkage  126. How many Fundamental Rights are guaranteed by the Constitution of India?  (A) 7  (B) 3  (C) 5  (D) 6  127. Value of π (approx. value 3.14) is:  (A) Terminating decimal  (C) Non-terminating non-repeating decimal  (D) Indeterminate  128. If h is the depth of water held by a dam and A is the cross section area of the water the thickness of wall of the dam, then the maximum pressure on the wall of the depend upon:  (A) A, h & t  (B) A & h  (C) h & t  (D) h  129. Complete the series logically.  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of-  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandin  133. A coin is tossed two times. On both occasions, the result is heads. When the coath of the context of increases of patch of the componency of the supply of the power factor  (B) Study of Human evolution	124	An electrical appliance has a yoke, stator winding, rotor, commutator, carbon brush. The					
<ul> <li>(A) Sublimation (B) Catenation (C) Affiliation (D) Linkage 126. How many Fundamental Rights are guaranteed by the Constitution of India? (A) 7 (B) 3 (C) 5 (D) 6</li> <li>127. Value of π (approx. value 3.14) is:  (A) Terminating decimal (B) Recurring decimal (C) Non-terminating non-repeating decimal (D) Indeterminate</li> <li>128. If h is the depth of water held by a dam and A is the cross section area of the water the thickness of wall of the dam, then the maximum pressure on the wall of the depend upon:  (A) A, b &amp; t (B) A &amp; h (C) h &amp; t (D) h</li> <li>129. Complete the series logically.</li> <li>(A) His struggle (B) Music &amp; Singing (C) Paintings (D) Hinduring against the British</li> <li>131. What are capacitor banks in the context of electricity supply to a city?</li> <li>(A) They add capacitance to the supply so that electricity is stored in case of breakdown</li> <li>(C) They balance the inductive component of transformer coils to smoothen the supply</li> <li>132. French power declined in India after the battle of-  (A) Plassey (B) Buxar (C) Talikota (D) Wandis a third time, what is the probability of getting a head?</li> <li>(A) 1 (B) 1/2 (C) Talikota (D) 3/4 1/2</li> <li>134. What is morphology?</li> <li>(A) Study of Human evolution</li> </ul>		(A) DC motor (B) AC induction	(C) AC generator	(D) Both (B) and (C)			
127. Value of π (approx. value 3.14) is:  (A) Terminating decimal (D) Indeterminate  128. If h is the depth of water held by a dam and A is the cross section area of the water the thickness of wall of the dam, then the maximum pressure on the wall of the depend upon:  (A) A, h & t (B) A & h (C) h & t (D) h  129. Complete the series logically.  (A) L (B) O (C) M (D) R  130. Raja Ravi Varma was famous for:  (A) His struggle (D) Music & Singing (D) Hinduragainst the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of (A) Plassey (B) Buxar (C) Talikota (D) Wanding the power factor (D) They balance the inductive loads the power factor (D)	125			dled: (D) Linkage			
(A) Terminating decimal (C) Non-terminating non-repeating decimal (D) Indeterminate  128. If h is the depth of water held by a dam and A is the cross section area of the water thickness of wall of the dam, then the maximum pressure on the wall of the depend upon:  (A) A, h & t (B) A & h (C) h & t (D) h  129. Complete the series logically.  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city? (A) They add capacitance to the supply so that electricity is stored in case of breakdown (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of- (A) Plassey (B) Buxar (C) Talikota (D) Wandin  133. A coin is tossed two times. On both occasions, the result is heads. When the coat a third time, what is the probability of getting a head?  (A) 1 (B) 1/2 (C) M (D) R (D) Hindure (D) Hindure (D) Hindure (D) They balance the inductive loads the power factor  (C) Talikota (D) Wandin  (D) Wandin  (D) Wandin  (D) Wandin  (E) Study of Human evolution	126		Committee Commit	Control of the Contro			
the thickness of wall of the dam, then the maximum pressure on the wall of the depend upon:  (A) A, h & t (B) A & h (C) h & t (D) h  129. Complete the series logically.  (A) L (B) O (C) M (D) R  130. Raja Ravi Varma was famous for:  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey (B) Buxar (C) Talikota (D) Wandiw  133. A coin is tossed two times. On both occasions, the result is heads. When the coathing time, what is the probability of getting a head?  (A) 1 (B) \frac{1}{2} (C) \frac{1}{4} \times \frac{1}{2} (D) \frac{3}{4} \times \frac{1}{2}  134. What is morphology?	127	(A) Terminating decimal					
(A) L  (B) A & h  (C) h & t  (D) h  129. Complete the series logically.  (A) L  (B) O  (C) M  (D) R  130. Raja Ravi Varma was famous for:  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiw  133. A coin is tossed two times. On both occasions, the result is heads. When the coa a third time, what is the probability of getting a head?  (A) 1  (B) 1/2  (C) M  (D) A  (D) Wandiw  (D) Wandiw  (E) 1/4 × 1/2  (D) 3/4 × 1/2  (D) 3/4 × 1/2	128	the thickness of wall of the dam, then the n					
(A) L  (B) O  (C) M  (D) R  130. Raja Ravi Varma was famous for:  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandie  133. A coin is tossed two times. On both occasions, the result is heads. When the coat a third time, what is the probability of getting a head?  (A) 1  (B) $\frac{1}{2}$ (C) M  (D) Wandies  (D) Wandies  (D) Wandies  (E) Talikota  (E) Talikota  (D) Wandies  (E) Talikota  (D) Wandies  (E) Study of Human evolution			(C) h & t	(D) h			
(A)  130. Raja Ravi Varma was famous for:  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of-  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandia  133. A coin is tossed two times. On both occasions, the result is heads. When the coat third time, what is the probability of getting a head?  (A) 1  (B) $\frac{1}{2}$ (C) Talikota  (D) Wandia  (D) Wandia  (E) Talikota  (D) Wa	129. Complete the series logically.						
130. Raja Ravi Varma was famous for:  (A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiv  133. A coin is tossed two times. On both occasions, the result is heads. When the coathird time, what is the probability of getting a head?  (A) 1  (B) $\frac{1}{2}$ (C) Study of insects  (B) Study of Human evolution		F	I L	7			
(A) His struggle against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiv  133. A coin is tossed two times. On both occasions, the result is heads. When the coa a third time, what is the probability of getting a head?  (A) 1  (B) \frac{1}{2}  (C) Talikota  (D) Wandiv  (D) Wandiv  (E) Study of Human evolution		(A) (B) o	(C) M	(D) R			
against the British  131. What are capacitor banks in the context of electricity supply to a city?  (A) They add capacitance to the supply so that electricity is stored in case of breakdown  (B) These banks are storage spaces in capacitors are available to mainteen engineers in case of failures  (C) They balance the inductive component of transformer coils to smoothen the supply  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiw  133. A coin is tossed two times. On both occasions, the result is heads. When the coat third time, what is the probability of getting a head?  (A) 1  (B) $\frac{1}{2}$ (C) $\frac{1}{4} \times \frac{1}{2}$ (D) $\frac{3}{4} \times \frac{1}{2}$ 134. What is morphology?  (A) Study of insects  (B) Study of Human evolution	130		(n)	(D) II' 1 6			
(A) They add capacitance to the supply so that electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  (D) They balance the inductive loads the power factor  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiw  (D) Wandiw  (D) Wandiw  (E) Talikota  (D) Wandiw  (E) They balance the inductive loads the power factor  (E) Talikota  (D) They balance the inductive loads the power factor  (E) Talikota  (D) Wandiw  (E) Study of Human evolution		against the British		(D) Hindu reforms			
electricity is stored in case of breakdown  (C) They balance the inductive component of transformer coils to smoothen the supply  (D) They balance the inductive loads the power factor  132. French power declined in India after the battle of  (A) Plassey  (B) Buxar  (C) Talikota  (D) Wandiv  (D) Wandiv  (D) Wandiv  (E) Talikota  (D) Wandiv  (E) Talikota  (D) Wandiv  (E) Talikota  (D) Wandiv  (E) Talikota  (E) Talikota  (D) Wandiv  (E) Talikota  (D) Wandiv  (E) Talikota  (E) Talikota  (E) Talikota  (D) Wandiv  (E) Study of Human evolution	131						
(C) They balance the inductive component of transformer coils to smoothen the supply the power factor  132. French power declined in India after the battle of  (A) Plassey (B) Buxar (C) Talikota (D) Wandiv  133. A coin is tossed two times. On both occasions, the result is heads. When the coat third time, what is the probability of getting a head?  (A) 1 (B) $\frac{1}{2}$ (D) $\frac{3}{4} \times \frac{1}{2}$ 134. What is morphology?  (B) Study of Human evolution			capacitors are avai	lable to maintenance			
<ul> <li>(A) Plassey</li> <li>(B) Buxar</li> <li>(C) Talikota</li> <li>(D) Wandiversity</li> <li>(D) Wandiversity</li> <li>(E) Talikota</li> <li>(D) Wandiversity</li> <li>(E) Study of Human evolution</li> </ul>		` ' '	(D) They balance the i				
a third time, what is the probability of getting a head?  (A) 1 (B) $\frac{1}{2}$ (C) $\frac{1}{4} \times \frac{1}{2}$ (D) $\frac{3}{4} \times \frac{1}{2}$ 134. What is morphology?  (A) Study of insects (B) Study of Human evolution	132	-		(D) Wandiwash			
134. What is morphology?  (A) Study of insects  (B) Study of Human evolution	133	133. A coin is tossed two times. On both occasions, the result is heads. When the coin					
(A) Study of insects (B) Study of Human evolution				(D) $\frac{3}{4} \times \frac{1}{2}$			
(A) Study of insects (B) Study of Human evolution	134	4. What is morphology?					
(C) Study of forms and structural features of organisms (D) Study of interdependence of organisms environment			(B) Study of Human of	evolution			
rd .	age <b>Z</b> 4	(C) Study of forms and structural features of		endence of organisms and			

135.	Orthogonal projection of an object shows a rectangle of dimensions 5 cm x 10 cm on the X - Y plane and a circle of diameter 10 cm on the Y-Z plane. What is the volume of the object?						
	(A) 5000 cm <sup>3</sup>	(B) π.5 <sup>3</sup>	(C) $\frac{\pi.10^3}{4}$	(D) 2500 cm			
136.	related to Rishi?						
	(A) Mother	(B) Sister	(C) Wife	(D) Daughter			
137.	Consider the following	ng orthogonal projection	ns of an object.				
		This object is a-					
	(A) Tetrahedron	(B) Conical cylinder	(C) Prism	(D) Trapezium			
138.	Match the following:						
	Rectifier     a. Power electronics, Motor speed control, Battery charging, Phase control     b. Rectifiers, Wave clipper circuits     c. Amplifiers, Switches						
	(A) 1-a, 2-c, 3-b	(B) 1-b, 2-a, 3-c	(e) 1-b, 2-c, 3-a	(D) 1-c, 2-a, 3-b			
139.	An interpretation of to (A) Fundamental rights	the Indian Constitution (B) Fundamental duties		(D) Directive principles			
140.	Earthquakes cause d	amage when-					
	(A) Stress exceeds the	strain of materials	(B) Stress exceeds the s	trength of materials			
	(C) Strain exceeds the strength of materials		(D) Strength exceeds the strain of materials				
141.	41. In September 2014, which state was affected by flood?						
	(A) Karnataka	(B) Madhya Pradesh		(D) Jammu & Kashmir			
142.	A merchant is mixing two qualities of rice, one which he procures at ₹ 70/Kg and second at ₹ 40/Kg in the ratio of 7: 3 respectively. At what price should he sell the mixture to earn a profit of 20%?						
	(A) ₹73.20/Kg	(B) ₹74/Kg	(C) ₹ 74.6/Kg	(D) ₹ 75.4/Kg			
143.		girls in a class is 75 ma age of the class is 68.75					
	(A) 2:5	(B) 5:2	(C) 3:5	(D) 5:3			
144.	Out of the following,	which is NOT a type o	f welding?				
	(A) AC Arc		(B) DC Arc				
	(C) MIG		(D) All of these are diffe	erent types of weldings			
145.	A map mentions the	scale 1 cm=1 km.					
	The scale is in the ra	tio:		• 1			
	(A) $1:10^3$	(B) $1:10^4$	(E) 1:10 <sup>5</sup>	(D) $1:10^6$			
146.	Plants get water thro (A) Viscosity	ugh roots because of: (B) Elasticity	(C) Gravity	(D) Surface tension			

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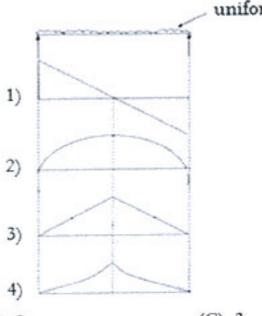
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147. In a circuit in which resistance, capacitance and inductance are in series, the impedance would be-

(A)  $\frac{V}{\sqrt{R^2 + (X_L - X_C)^2}}$  (B)  $\sqrt{R^2 + (X_L - X_C)^2}$  (C)  $i\sqrt{R^2 + (X_L - X_C)^2}$  (D)  $\frac{1}{\sqrt{R^2 + (X_L - X_C)^2}}$ 

148. In the case of a uniformly distributed load on a simply supported beam, the bending moment diagram would be-



(A) 1

(B) 2

(C) 3

- (D) 4
- 149. The first Indian railway train journey between Bombay and Thane was in the year-
  - (A) 1857
- (B) 1853
- (C) 1818
- (D) 1854

- 150. Glycerol can be represented by chemical formula:
  - (A) C<sub>2</sub>H<sub>5</sub>O<sub>2</sub>
- (B) C<sub>3</sub>H<sub>7</sub>OH
- (C) C<sub>3</sub>H<sub>5</sub>OH
- (D)  $C_3H_8O_3$