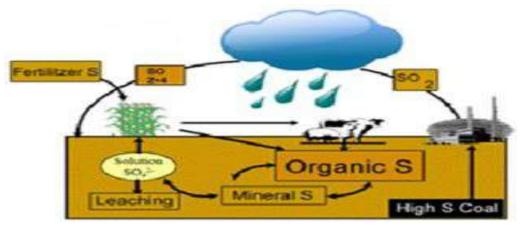
62. Filtration as a me (A) Homogeneous at (B) Heterogeneous at (C) Homogeneous at (D) Heterogeneous at	nd liquid-in-gas mix and solid-in-liquid m nd solid-in-liquid mi	tures ixtures xtures	or mixtures th	at are				
63. What happens to		-	velocity is dou	bled?				
(A) The object's inertia becomes 2 times lesser (B) The object's inertia becomes 2 times greater								
(C) The object's inertia becomes 4 times greater								
(D) The object's inertia remains the same.								
•	ropped simultaneou	usly from a to	ower. When t ince.)	ner sphere of mass 4 kg. hey are 8 m above the				
(C) Momentum		(D) Kinetic e	0,					
enough energy to or the vapour state? (A) Boiling	vercome the forces (B) Condensation	of attraction (C) Evapo	present in th	es from the surface gain e liquid and change into (D) None of these				
66. Elements having								
(A) Similar atomic siz(C) Similar metallic c	` '	(B) Similar combining capacities(D) Similar chemical properties						
(C) Similar metalic C	Haracter	(D) Similar G	nemicai prope	11103				
67. A change in the p	<u>-</u>	_	out:					
(B) only when energy	, ,							
(C) when energy is e		_	he system.					
(D) without any energ	gy change.							
68. Matters are class	ified based on?							
(A) Physical characteristics		(B) Chemical characteristics						
(C) Both (A) and (B)		(D) None of these						
69. What type of farm	ning does animal fa	rming include	?					
(A) Fish farming	(B) Cattle farming	(C) Poultry	/ farming	(D) All of these				
70. The inertia of an	object tends to cau	se the object	to what?					
(A) To resist any cha	•	-		erate due to friction				
(C) To increase its speed			(D) To decrease its speed					

- 71. Sprain is caused by excessive pulling of
- (A) Muscles
- (B) Nerves
- (C) Ligaments
- (D) Tendons
- 72. Parenchyma, Collenchyma and sclerenchyma are
- (A) Simple permanent tissue

- (B) Meristematic tissue
- (C) Complex permanent tissue
- (D) All of these
- 73. What cycle does this image represent?



(A) Biogeochemical cycle

(B) Nitrogen cycle

(C) Carbon cycle

- (D) Water cycle
- 74. Which type of WBC is most abundant in lymph?
- (A) Lymphocyte
- (B) Eosinophil
- (C) Monocyte
- (D) Neutrophil
- 75. How many types of elements together make up the xylem tissue?
- (A) 1
- (B)3
- (C)4
- (D) 2
- 76. An apple falls from a tree because of gravitational attraction between the earth and apple. If F1 is the magnitude of force exerted by the earth on the apple and F2 is the magnitude of force exerted by apple on earth, then which of the following is true?
- (A) F1 is very much greater than F2
- (B) F2 is very much greater than F1
- (C) F1 is only a little greater than F2
- (D) F1 and F2 are equal
- 77. Humans are classified according to the following hierarchy:

Animalia \rightarrow Chordata \rightarrow Mammalia \rightarrow Primates \rightarrow Hominidae \rightarrow Homo \rightarrow Sapiens

Which category is represented by Primates in the above hierarchy?

- (A) Order
- (B) Genus

- (C) Kingdom
- (D) Family

- 78. Units of 'g' are
- (A) m/s^2
- (B) N/Kg
- (C) Nm/s²
- (D) Nms²

79. Speed of sound is maximum in

- (A) Liquids
- (B) Solids
- (C) Gases
- (D) Plasma
- 80. Classify the following materials into elements, compounds and mixtures: Methane, granite, blood, sodium, silver, iron, sugar
- (A) Elements: Sodium and silver Compounds: Methane, Granite, sugar Mixtures: Iron, blood
- (B) *Elements*: Sodium, silver, iron *Compounds*: Methane, sugar

Mixtures: Granite, blood

(C) *Elements:* Sodium, silver, iron

Compounds: Methane, blood

Mixtures: Granite, sugar

(D) *Elements:* Methane, silver, iron *Compounds:* Sodium, sugar

Mixtures: Granite, blood

- 81. Calculate the number of molecules of chloroform (CHCl3) weighing 0.0239g (H =1, C=12, CI=35.5).
- (A) 0.2046×10^{17}

(B) 1.2046×10^{20}

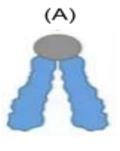
(C) 2.2046×10^{22}

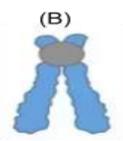
- (D) 3.1046×10^{21}
- 82. Choose the isobar from the following.
- $_{(A)}$ $^{6}C_{12}$ and $^{6}C_{14}$

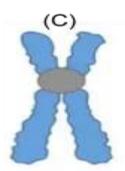
 $_{(B)}$ 92 U $_{235}$ and 92 C $_{238}$

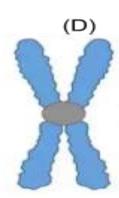
 1 H $_{1}$ and 1 C $_{2}$

- $^{18}\mathrm{Ar}_{40}$ and $^{20}\mathrm{Ca}_{40}$
- 83. A solution contains 50 ml of ethyl alcohol mixed with 150 ml of water. Calculate the concentration of solution
- (A) 25%
- (B) 50%
- (C) 75%
- (D) 60%
- 84. Which of the following does not increase the rate of evaporation?
- (A) Increase of temperature
- (B) Increase in wind speed
- (C) Increase in surface area
- (D) Increase in humidity
- 85. Which one of the following is the acrocentric chromosome?







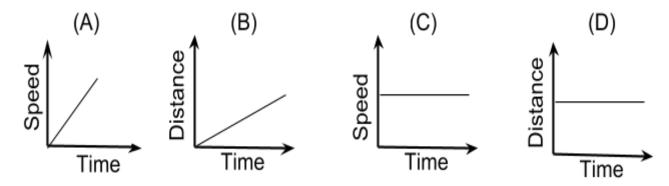


- 86. A person met with an accident in which two long bones of his hand were dislocated. Which among the following may be the possible reason for this?
- (A) Tendon break

(B) Break of skeletal muscles tissue

(C) Ligament break

- (D) Areoelar tissue break
- 87. Which one of the following graphs shows uniform acceleration?



- 88. A particle of mass 0.3 kg is subjected to a force F = k x with k = 15 N/m and x being its distance from the origin. What will be its initial acceleration if it is released from a point 20 cm away from the origin? A. 5 m/s2 B. 10 rn/s2 C. 3m/s2 D. 15 m/s2
- (A) 5 m/s^2
- (B) 10 m/s²
- (C) 3 m/s²
- (D) 15 m/s²
- 89. Which of the following statements is correct?
- (A) speed and velocity are scalar, distance and velocity are vector
- (B) speed distance are vector, velocity and displacement are vector
- (C) speed distance are scalar, velocity and displacement are vector
- (D) speed and velocity are vector, distance and displacement are scalar
- 90. A body immersed in a fluid experiences an upward thrust which depends on
- (A) The weight of the fluid displaced by it
- (B) The volume of the body

(C) The mass of the body

(D) All of these.

General Knowledge

- 91. Uttar Pradesh Cabinet approves Renaming Of Allahabad To
- (A) Prayag
- (B) Rudraprayag
- (C) Teerthraj Prayag
- (D) Prayagraj
- 92. Twelfth Asia Europe Meeting Summit Begins -----?
- (A) Brussels
- (B)Greece
- (C) Spain
- (D) Australia
- 93. N D Tiwari who passed away recently is a famous
- (A) Writer
- (B) Politician
- (C) Actor
- (D) Reformer
- 94. Which won five more gold medals in Asian Para Games 2018?
- (A) Indonesia
- (B) Pakistan
- (C) India
- (D) SriLanka

95. Oil & Natural G	-	• •	•	ered Oil and g	as reserves in
(A) Harayana, Ass			Bujarat, Bihar		
(C) Uttarakhand, M	/laharashtra	(D) Madhya	Pradesh, West B	Bengal	
96 is India	's top region f	or 4G availab	ility.		
(A) New Delhi	(B) H	lyderabad	(C) Kolka	ata (D) Mumbai
97. China is planni	ng to establis	h bullet train t	oetween	_·	
(A) Kolkata and Ku	ınming	(B) Aizawl a	and Lincang		
(C) Gorakhpur and					
98. Who Inaugurat	ed Parakram	Parv Exhibition	on In Jodhpur?		
(A) Shri Narendra	Modi	(B) Shri Sur	esh Raina		
(C) Shri Vignesh S			Shri Arun Jaitley		
99. Which is the no	odal agency o	f Election con	nmission?		
(A) Judiciary		(B) N	linistry of election		
(C) Law Ministry		(D) None of	<u> </u>		
100. Where is Kala	akkad Mundar	nthurai Tiger F	Reserve located?		
(A) Kerala	(B) Karnata	ka (C) A	andhra Pradesh (D)) Tamil Nadu	
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