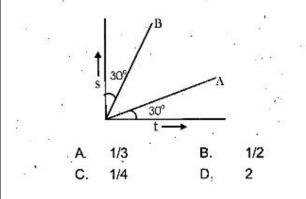


1. The displacement (s) and time (t) graphs for two moving objects A and B are straight lines inclined at 30° with the time axis and 30° with the displacement axis respectively. Then what would be their velocity ratio  $(v_A / v_B)$ ?



### Answer: A

 $\frac{V_A}{V_B} = \frac{\tan 30^\circ}{\tan 60^\circ} = \frac{1}{3}$ 

- 2. A stone fell from the top of a tower to the ground in 8 seconds. How much time did it take to cover the first quarter of the distance starting from the top?
- A. 4 seconds B. 5 seconds
  - C. 6 seconds
  - D. 8 seconds

## Answer: A

$$h = \frac{1}{2} \times g \times 8^{2}$$
$$\frac{h}{4} = \frac{1}{2} \times h \times t^{2}$$
$$4 = \left(\frac{8}{t}\right)^{2} \Rightarrow t^{2} = 16 \Rightarrow t = 4s$$

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3.0

A particle moves in a straight line with 3. a retardation proportional to its 14.0 displacement. Its loss in kinetic energy for any displacement 'x' would be proportional to: A. x B. x<sup>2</sup> C. x<sup>3</sup> D. x<sup>4</sup> **Answer: B**  $a \propto s \Longrightarrow a = ks$  $W = \Delta k \Longrightarrow Fs = \Delta k$  $\Delta k = mas = mks^2$  $\Delta k \propto s^2$ If the kinetic energy of a body increases by 300%, by what percent shall the linear momentum of the body increase? 1.1.1. A. 200% B. 100% • B. 100% C. 150% D. 300% **Answer: B** KÈ 4K (K.E. increases by 300%)  $P = \sqrt{2mK}$  $P=\sqrt{2m\bigl(4K\bigr)}=2\sqrt{2mK}=2P$ PÈ 2P m Momentum increases by 100%. 5. When a stone is freely dropped into a well of depth 45m; the sound of its splash is heard after 3.125 second. Then what is the value of the speed of sound in air?(g=10m/s2) 22 A. 360 m/s B. 330 m/s 1<sup>25</sup> 1992 D. 332 m/s. **Answer:** A Time taken by stone to hit water  $45 = \frac{1}{2} \times 10 \times t^2 \implies t = 3s$ Time taken by sound to reach surface = 3.125 - 3 = 0.125s $45 = v(sound) \times t$  $\Rightarrow$  v(sound) =  $\frac{45}{0.125}$  =  $360\frac{\text{m}}{\text{s}}$ 

6. The refractive index of diamond with . respect to glass is 1.6 and absolute refractive index of glass is 1.5. Then \* .\*\* the absolute refractive index of diamond will be; · '. A. 2.5 B. 2.4 Ć. 3 D. 3.5 **Answer: B**  $g^{\mu d} = \frac{\mu_d}{\mu_g} \Longrightarrow 1.6 = \frac{\mu_d}{1.5} \Longrightarrow \mu_d = 2.4$ 7. An object is placed at a distance x, from the focus on the principal axis of a concave mirror. The image is formed at a distance x<sub>2</sub> from the focus. Then the focal length of the mirror is;  $\frac{x_1}{x_2}$ . A. Β.  $x_1 x_2$  $\frac{x_2}{r}$  D. · . C. **Answer: D**  $x_1x_2 = f^2 \Longrightarrow f = \sqrt{x_1x_2}$ 8. Two thin lenses of focal lengths f, and

 $f_2$  are placed in contact with each other such that the combination behaves as a glass slab. Then how are  $f_1$  and  $f_2$ related to each other?

A. 
$$f_1 = \frac{1}{f_2}$$
  
B.  $f_2 = -f_1$   
C.  $f_1 = f_2$   
D.  $f_1 = \sqrt{f_2}$ 

**Answer: B** 

$$\begin{split} \mathbf{P}_{\mathrm{net}} &= \mathbf{0} \\ \frac{1}{f_1} + \frac{1}{f_2} &= \mathbf{0} \Longrightarrow \frac{1}{f_1} = -\frac{1}{f_2} \Longrightarrow f_1 = -f_2 \end{split}$$

9. An ice-cube of density 900 kg/m3 is floating in water of density 1000 kg/m3. The percentage of volume of ice cube outside the water is; 20% . A. 35% B. . C. 10% 25% D. **Answer: C**  $F_{\rm B} = mg$  $\Rightarrow$  S<sub>water</sub> × V<sub>sub</sub> × g =  $\rho_{ice}$  × V<sub>total</sub> × g  $\Rightarrow 1000 \times V_{sub} = 900 \times V_{total}$  $\Rightarrow \frac{V_{sub}}{V_{total}} = \frac{9}{10}$  $\therefore \frac{V_{\text{outside}}}{V_{\text{total}}} = \frac{1}{10}$ 

- 10. A conducting wire of certain length has its resistance R. When it is stretched to have its diameter reduced to half its original value, what would be its new resistance R<sub>2</sub> in comparison to R<sub>1</sub>?

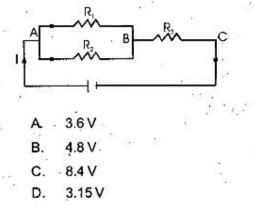
  - A.  $R_2 = 16 R_1$ B.  $R_2 = 8 R_1$ C.  $R_2 = 4 R_1$

Answer: A

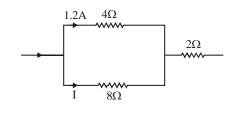
$$R_{1} = \frac{\rho\ell}{\left(\frac{\pi d^{2}}{4}\right)} = \frac{4\rho\ell}{\pi d^{2}} \Rightarrow \frac{\pi d^{2}}{4} \times \ell = \ell' \times \frac{\pi \left(\frac{d}{2}\right)^{2}}{4} \Rightarrow \ell' = 4\ell$$
$$R_{2} = \frac{\rho(4\ell)}{\frac{\pi \left(\frac{d}{2}\right)^{2}}{4}} = \frac{64\rho\ell}{\pi d^{2}} = 16R_{1}$$

11. Three resistances  $R_1 = 4\Omega$ ,  $R_2 = 8\Omega$ 

and  $R_3 = 2\Omega$  are connected in a circuit carrying a total current **I**, as shown in the figure. If the current through the resistance  $R_1 = 4\Omega$  is 1.2A, then the potential difference across the resistance  $R_3$  is;



**Answer:** A



# $1.2 \times 4 = I \times 8 \Longrightarrow I = 0.6A$ V(across 2\Omega) = (1.2+0.6) \times 2 = 3.6V

- 12. An  $\alpha$ -particle projected towards west is deflected towards north by a magnetic field. Then the direction of the magnetic field is towards
  - A. South
  - B. East
  - , C. Downward
    - D. Upward
- Answer: D

$$\overrightarrow{v} \leftarrow \oplus \qquad \overrightarrow{S}$$

 $\vec{F} = a(\vec{v} \times \vec{B}) \Rightarrow \vec{B}$  is upwards.

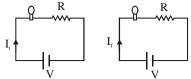
N

 A standard 100W electric bulb in series with a heater is connected across the mains. If the 100W bulb is now replaced by a 200W bulb; the power output of the heater;

- A. will be halved
- B. will increase 4 times
- C. will increase 2 times

D. will remain same.

#### Answer: B



For 100 W bulb let its resistance is  $R_0$ . Then for 200 W bulb resistance will be  $R_0/2$ . For same voltage rating:

11.

$$P_{i} = I_{i}^{2}R = \left(\frac{V}{R + R_{0}}\right)^{2}R = \frac{V^{2}R}{\left(R + R_{0}\right)^{2}}$$
$$P_{f} = I_{f}^{2}R = \left(\frac{V}{R + \frac{R_{0}}{2}}\right)^{2}R = \frac{4V^{2}R}{\left(2R + R_{0}\right)^{2}}$$

:. None of the options are correct But if R is small as compared to  $R_0$  then  $2R + R_0 \approx R_0$  $R + R_0 \approx R_0$ So,  $P_f = 4p_i$ 

# 14. Which of the following is the correct order of reactivity of metals?

A. Cu > Au > Zn > Na > H

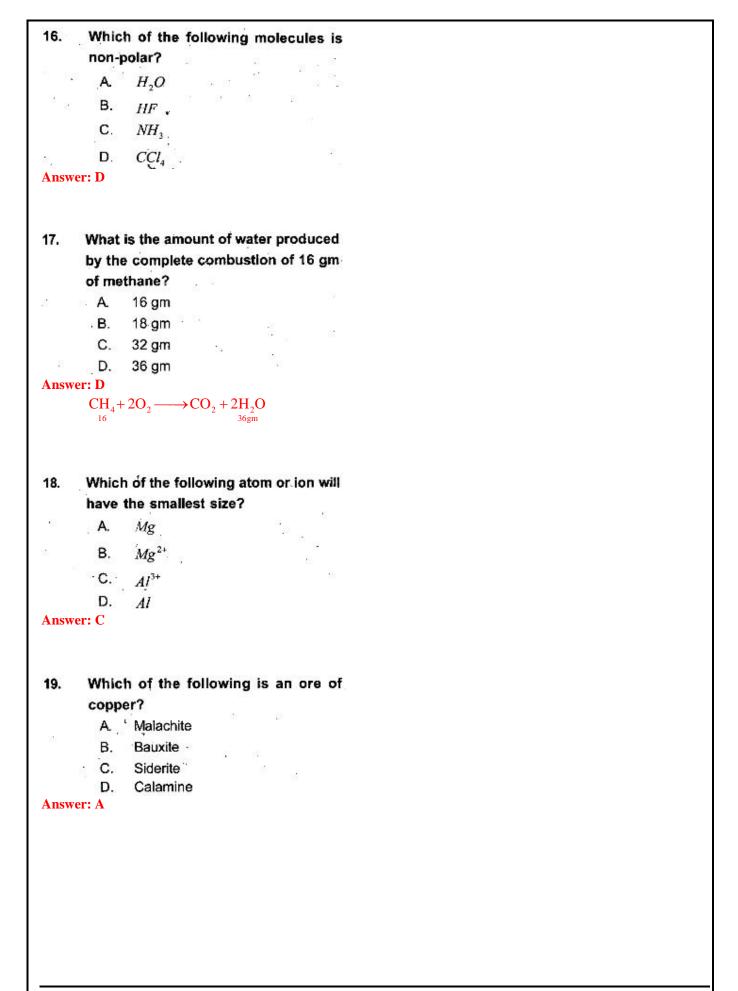
- $B. \quad Au > Na > H > Zn > Cu$
- C. Na > Zn > H > Cu > Au.
  - D. H > Au > Cu > Zn > Na.

Answer: C

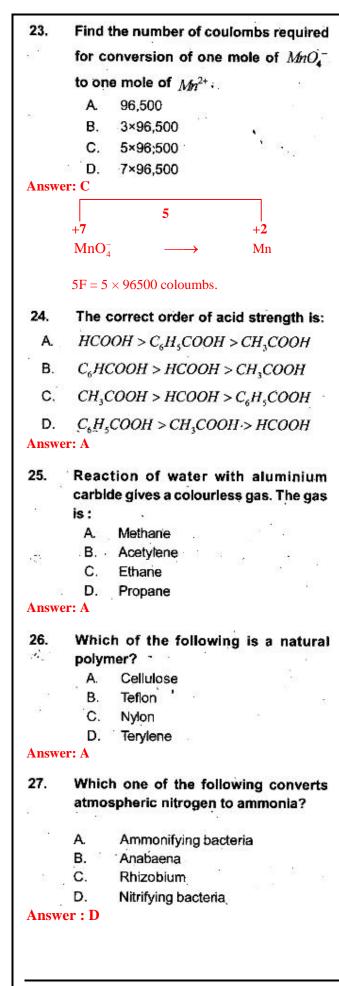
# 15. The element with highest electron affinity is :

- A. Fluorine
- B. Chlorine
- C. Bromine
- D. lodine

Answer: B



20. In the equation  $CaCO_1 + 2HCl \rightarrow CaCl_2 + H_2O + CO_2$ the volume of CO2 gas formed when 2.5gm CaCO, are completely dissolved in excess of hydrochloric acid at O°c and 1 atom pressure is: A. 0.28 L B. 0.56 L C. 1.12L 1 D. 5.6L Answer: B  $CaCO_3 + 2HCI \longrightarrow CaCl_2 + H_2O + CO_2$ 100g 2.5g  $\frac{22.5 \times 22.4}{100} = 0.56L$ 21. The solution of a colourless salt in water has PH value of  $\approx 9$ . The salt would be : A. NaCi B.NaNO3C. $CH_3COONa$ D. $CH_3COONH_4$ Answer: C 22. Uranium (A=238, Z=92) emits an  $\alpha$  particle. The product has mass number and atomic number respectively as: A. 238 and 96 B. 238 and 90 10 C. 236 and 92 D. 234 and 90 Answer: D  $U_{92}^{238} + He_2^4 \longrightarrow U_{90}^{234}$ 



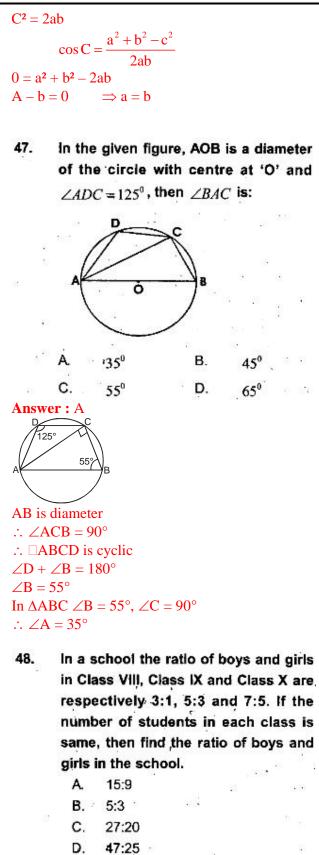
28.	Presence of which two of the following
	compounds causes algal bloom.
	A. Carbonate + Nitrate
13	B. Sulphate + Phosphate
	C. Phosphate + Nitrate
2	D. Sulphate + Nitrate
Answ	ver:C
29.	Taking the factor of the disease into
ξ.	consideration, choose the incorrect
	matching pair .
25	A. Malaria and Filaria
	B. Dengue and Influenza
	C. Typhoid and Tuberculosis
2	D. Influenza and AIDS
Answ	ver:D
30.	Which one of the following disease is
30.	water borne?
:	A. Hepatitis B
98 (Ø	B. Hepatitis C
	C. Hepatitis D
	D. Hepatitis E
Answ	ver : D
12000	
31.	Which pair of the following organells
	have their own ribosome?
	A. Mitochondria and Golgi bodies
	B. Mitochondria and Chloroplast
	C. Chloroplast and Endoplasmic
	reticulum
	D. Endoplasmic reticulum and Golgi
Answ	ver: B
32.	In human body which one of the
	following shows the correct path-way
	of a blood drop during circulation?
	A. Pulmonary vein -> Inferior
89	venacava — Aorta — Heart
	B. <sup>1</sup> Aorta → Inferior venacava →
	Pulmonary artery -> Heart
	C. Lung $\rightarrow$ Pulmonary artery $\rightarrow$
30	240
8	Heart -> Superior venacava
	D. Pulmonary vein $\rightarrow$ Lung $\rightarrow$
	Heart -> Inferior venacava
Ancu	ver : B

3.	Which of the following is associated
	with Corpus luteum ?
	A. Testis
÷.,	B. Ovary
	C: Pancreas
	D. Duodenum
Answ	ver: B
34.	In which one of the following is the
	sexual dimorphism seen?
ia o	A. Nematohelminthes
	B. Annelida.
и: Э	C. Platyhelminthes
	D. Mollusca
Answ	ver: A
35.	Which one of the following contributes
	to the formation of placenta.
÷.,	A. uterus and ovary
	B. ovary and embryo'
	C. uterus and fallopian tube
	D. embryo and uterus.
Answ	ver:D
36.	Which one of the following helps in the
	formation of Plasma membrane?
	A. Mitochondria
	B. Endoplasmic reticulum
*	C. lysosome
	D. Ribosome
Answ	ver:B
37.	Read the following statements and
	choose the correct answer.
ŀ.	Two polar nuclei are fused to form
324 1995	secondary nucleus.
Н. 1	
	form endosperm nucleus.
	A. Both I and II are correct.
	B. Both I and II are wrong.
	C. I is correct and II is wrong.
	D. I is wrong and II is correct.

38.	Whic	h one of the fo	blowing statement	
	is tr	ue for photos	synthesis?	
	A	ATP is consu	med in light	
		reaction		
	В.	NADP is redu	ced in dark	
		reaction.		
	C.	CO <sub>2</sub> is require	ed in the light	
	reaction.			
	D.	O <sub>2</sub> is produce	d in the ligt	
		reaction.	ne manazar e a cara e	
Answ	er : D			
39.	Name	e the substand	e that helps in	
		d clotting.		
82	×	Thrombin	. Q	
	в			
	C. [	Heparin Hirudin	2	
		Sodium oxala		
Answ	er:A			
40.	Name the hormone that runs our			
	biological clock.			
,		Oxytocin		
	В.	Thyroxin Melatonin	A 50 A	
			5 a A	
		Prolactin		
Answ	er : C			
41.			f k the equations	
	$x^{2} + kx + 64 = 0$ and $x^{2} - 8x + k = 0$ will			
32		real roots?		
	Α.	8		
	В.	16	2 (24) 1	
	C.	32		
		64	î	
	er:B			
	ve real $x + 64$	roots $D \ge 0$ (b <sup>2</sup> )	$-4a \ge 0)$	
	x + 04 (64)≥(			
	2 C	16) ≥ 0		
		5] ∪ [16, ∞)	(1)	
	$\mathbf{x} + \mathbf{k} =$			
$10 \ge 1$			(2)	
From	(1) & (	2)	k = 16	

42. Two circles touch each other externally. The sum of their areas is  $130\pi$  sq. cm. and the distance between their centres is 14 cm. Find the radii of the circles. A. 14 cm, 8 cm Β. 12 cm, 2 cm 2<sup>6</sup> 2 C. 11 cm, 3 cm 10 cm, 4 cm D. **Answer** : C Given **r**<sub>1</sub>  $r_2$  $\overline{C}_1$  $\pi r_1^2 + \pi r_2^2 = 130\pi$  $r_1^2 + r_2^2 = 130$  .....(1)  $c_1 c_2 = r_1 + r_2 = 14$  .....(2) Solving (1) & (2)  $r_1 = 11$   $r_2 = 3$ 43. If  $\frac{\cos^2 \theta - 3\cos \theta + 2}{\sin^2 \theta} = 1$  and  $0^0 < \theta < 90^0$ , write the value of  $\theta$ . A. 30<sup>0</sup> B. 60<sup>9</sup> C. 75<sup>0</sup> D. 88° Answer : B  $\cos^2\theta - 3\cos\theta + 2 = 1$  $\sin^2 \theta$  $\cos^2\theta - 3\cos\theta + 2 = \sin^2\theta$  $2\cos^2\theta - 3\cos\theta + 1 = 0$  $\cos\theta = 1$ ,  $\cos\theta = 1/2$  $\theta = 90^{\circ} \theta = \frac{\pi}{3}$  $\therefore 0 < \theta < \frac{\pi}{2}$ 

44. What is the mean of 1st ten prime numbers? \_\_\_\_A. 12.3 . . . . B. 12.7 ۰. C. 12.9 D. None of these Answer : C  $\frac{2+3+5+7+9+11+13+17+19+23+29}{10} = \frac{129}{10} = 12.9$ 10 45. Two triangles ABC and DEF are similar. If area  $(\Delta ABC) = 243 cm^2$ , area  $(\Delta DEF) = 108 cm^2$  and BC = 6 cm, find EF: . 3 A. 8cm В. 9cm C. 12cm D. None of these Answer : D  $\triangle ABC \sim \triangle DEF$  $\therefore [ABC] - BC^2$  $\overline{\text{DEF}} - \overline{\text{EF}^2}$  $\frac{243}{108} = \frac{6^2}{\mathrm{EF}^2} = \frac{9}{6} = \frac{6}{\mathrm{EF}}$  $EF = \frac{36}{36}$ 9  $\mathbf{EF} = 4$ 46. In a right angled triangle, if the square of the hypotenuse is twice the product • of other two sides, then one of the angles of the triangle is: A. 15<sup>0</sup> В. 30° .C. 45° D. 60° Answer : C С b ≻B C а  $\angle C = 90$ Given  $AB = AC \times BC$ 



Answer : D

Class VIII  $\rightarrow$  Boys : girls = 3 : 1 Class IX  $\rightarrow$  Boys : Girls = 5 : 3 Class X  $\rightarrow$  Boys : Girls = 7 : 5 Given numbers of students in each class equal Let number of students in each class = 100

 $\therefore$  Number of Boys in Class VIII =  $\frac{3}{4} \times 100 = 75$  $\therefore$  Number of Girls = 25 In Class IX Number of Boys =  $\frac{5}{8}(100) = \frac{125}{2}$ Number of Girls =  $\frac{75}{2}$ In Class X Number of Boys  $\frac{7}{12}(100) = \frac{75}{3}$ Number of Girls =  $\frac{125}{3}$  $\frac{\text{Number of boys}}{\text{Number of girls}} = \frac{75 + \frac{125}{2} + \frac{175}{3}}{25 + \frac{75}{2} + \frac{125}{2}} = \frac{47}{25}$ If  $\sin\theta + \cos ec\theta = 2$ , then the value of 49.  $\sin^{13}\theta + \cos ec^{13}\theta$  is: A. 210 **B.** 2<sup>11</sup> C. 2<sup>13</sup> D, None of these Answer : D  $\sin \theta + \csc \theta = 2$  $\sin\theta + \frac{1}{\sin\theta} = 2$  $\sin^2 \theta + 1 = 2 \sin \theta$  $\sin^2 \theta - 2 \sin \theta + 1 = 0$  $\sin \theta = 1$   $\therefore \operatorname{cosec} \theta = 1$  $\therefore \sin^{13}\theta + \csc^{13}\theta = 2$ 50. The product of the length of three sides of a triangle is 196cm<sup>3</sup> and the radius of its circum circle is 2.5 cm. The area of the triangle is: A.  $39.2 cm^2$ B.  $19.6 cm^2$ C.  $32\sqrt{3}cm^2$ D.  $16.25 cm^2$ **Answer** : B Given abc = 196R = 2.5 $\therefore R = \frac{abc}{4}$ 

Where  $\Delta = \text{Area of triangle}$  $\Delta = \frac{\text{abc}}{4\text{R}} = \frac{196}{4 \times 2.5} = 19.6$ 

51. The sum of length, breadth and depth of a cuboid is 19 cm and its diagonal is  $5\sqrt{5}$  cm. Its surface area is A. 125 cm<sup>2</sup> B.  $236 \ cm^2$ C.  $326 \ cm^2$ <u>, 1</u> **Answer** : B 1 + b + h = 19 $d = diagonal = \sqrt{l^2 + b^2 + h^2} = 5\sqrt{5}$  $\therefore l^2 + b^2 + h^2 = 125$ Surface Area = 2(lb + lh + bh) $= (1 + b + h)^2 - (1^2 + b^2 + h^2) = 361 - 125 = 236$ If pqr = 1, then the value of 52.  $\left(\frac{1}{1+p+q^{-1}}+\frac{1}{1+q+r^{-1}}+\frac{1}{1+r+p^{-1}}\right)$  is A. i 0 B. *pq* ŗ 15 C. 1 D. Answer : C pqr = 1 $\frac{1}{1+p+\frac{1}{2}} + \frac{1}{1+q+pq} + \frac{1}{1+\frac{1}{2}+\frac{1}{2}}$ q  $= \frac{q}{pq+q+1} + \frac{1}{pq+q+1} + \frac{pq}{pq+q+1}$  $=\frac{pq+q+1}{pq+q+1}=1$ 53. The lines 2x-3y+5=0and 3x + 2y + 5 = 0 are A. parallel perpendicular B. 1 i. identical C. D. : none of these **Answer** : B Two lines are perpendicular if product of slopes is -ve i.e.  $a_1a_2 + b_1b_2 = 0$ 

54. Which of the following is not an empty set?  $A. \qquad \left\{ x \mid x+3=x, x \in R \right\}$  $\mathsf{B}. \qquad \big\{ x \mid x \neq x \big\}$ 1 C.  $\{x \mid x+3=3, x \in R\}$ D.  $\{x \mid 2x - 3 = 0, x \in N\}$ ś · · · Answer : C 220 la а Diagonal of square = Diameter of circle  $\sqrt{2a} = 2r$  $\therefore$  a =  $\sqrt{2r}$  $\therefore$  required ratio  $\frac{\pi r^2}{2r^2} = \frac{\pi}{2}$ 55. A square is inscribed in a circle. The ratio of the areas of the circle to that of the square is: A.  $2:\pi$ В.  $2\pi:1$ D. π:2 C.  $\pi:3$ Answer : D 56. Three dice are thrown once. Write the probability that all the dice show different faces. A.  $\frac{5}{18}$  B.  $\frac{2}{9}$ C.  $\frac{8}{15}$  D.  $\frac{5}{9}$ Answer : D Given E = all dice show difference faces $P(E) = 1 \times \frac{5}{6} \times \frac{4}{6} = \frac{5}{9}$ 

57. In an A.P  $t_4 = 11$  and  $t_{10} = 16$ , then the sum of the first 40 terms is 550 A. B. 660 C. 880 D. 990 Answer : D  $T_4 = 11, t_{10} = 16$ a + 3d = 11 $a + 9d = 16 = 6d = 5 \Longrightarrow d = 5/6$  $a = 11 - 3d = 11 - 3\left(\frac{5}{6}\right) = 11 - \frac{5}{2} = \frac{17}{2}$  $S_{40} = \frac{40}{2} \left[ 2 \left( \frac{17}{2} \right) + (39) \left( \frac{5}{6} \right) \right] = 20 \left( 17 + \frac{13 \times 5}{2} \right) = 10 \left( 34 + 65 \right) = 99 \times 10 = 990$ 58. If the points (2,1), (x, y) and (7,5) are collinear, then the relation between x and y is A. 4x - 5y + 3 = 0B. 5x - 4y + 3 = 0 $3x + 4y + 5 \doteq 0$ C. None of these D. Answer : D A(2, 1), B(x, y) and C(7, 5) are collinear slope of AB = slope BC $\Rightarrow \frac{y-1}{x-2} = \frac{5-y}{7-x} \Rightarrow 7y - xy - 7 + x = 5x - xy - 10 + 2y$  $\Rightarrow$  4x - 5y - 3 = 0 59. The difference between compound interest and simple interest on a certain sum of money in 2 years at 4% per annum is Rs.50.00. Find the principal amount. A. - Rs.30000 Rs.31250 Β. C. Rs.32000 D. Rs.32500 **Answer** : B  $P\left[\left(1+\frac{r}{100}\right)^{n}-1\right]-\frac{PTR}{100}=50$  $P\left[\left(\left(1+\frac{4}{100}\right)^2 - 1\right) - \frac{4}{100}\right] = 50$  $P\left[\left(\frac{26}{25} \times \frac{26}{25} - 1\right) - \frac{2}{25}\right] = 50$ 

 $P\left|\left(\frac{676 - 625}{625}\right) - \frac{2}{25}\right| = 50$  $P\left(\frac{51-50}{625}\right) = 50$  $P = 50 \times 625$ P = 3125060. A boat, whose speed is 15 km/hr in still water, takes 4 hours 30 minutes to go 30 km in downstream and to return é upstream to the same spot. Find the speed of the stream per hour. A. · 3 km/hr 5 km/hr B. 7 km/hr 2 km/hr C. D. **Answer** : B Let speed of boat = x km/hrSpeed of stream = y km/hrSpeed still water = x + y km/hr

Speed of upstream = (x - y) km/hr Given  $t = \frac{d}{x + y} + \frac{d}{x - y}$  $4\frac{1}{2} = \frac{30}{x + y} + \frac{30}{x - y} \Rightarrow 4\frac{1}{2} = \frac{30}{15 + y} + \frac{30}{15 - y}$ 

$$\therefore y = 5 \text{ km/hr}$$

- 61. Who amongst the following early nationalists was a vehement critic of the British Economic exploitation of India?
  - A. Dadabhai Naoroji
  - B. Surendranath Bannerjee
  - C. Pherozeshah Mehta
  - D. Anand Charlu

### Answer : A

- 62. Choose from amongst the answer options given below the one against which the given events are chronologically arranged.
  - A. Swadeshi Movement, Non-Cooperation Movement, Salt Satyagraha, Quit India Movement.
  - B. Quit India Movement, Swadeshi Movement, Non-Cooperation Movement, Salt Satyagraha.
  - C. Salt Satyagraha, Swadeshi Movement, Quit India Movement, Non-Cooperation Movement.
  - D. Non-Cooperation Movement, Swadeshi Movement, Quit India Movement, Salt Satyagraha.

Answer : A

- 63. Which one was the first movement organized by Gandhiji in India?
  - A. Kheda Movement
  - B. Champaran Movement
  - C. Non-Cooperation Movement
  - D. Quit India Movement

#### **Answer : B**

- 64. Why did Gandhiji support the Khilafat Movement?
  - A. He was a supporter of Turkey
  - B. He was against the Allied powers
  - C. He was a supporter of the Khalifa
  - D. He considered it an opportunity to strengthen Hindu – Muslim unity in India
- **Answer : D**
- 65. What led to suspension of the Non Cooperation Movement?
  - A. Death of Bal Gangadhar Tilak
  - B. Arrest of Gandhiji
  - C. Violent incident at Chauri Chaura
  - D. Coming of the Khilafat
  - Movement to an end

### Answer : C

# 66. How many Indian members were there in the Simon Commission?

20

- A. One
- B. Two
- C. Three
- D. No one

#### Answer : D

67. In which session of the Indian National Congress the Purna Swaraj resolution was passed?

1

8 <sup>8</sup> A

s.....s

- A. Poona
- B. Lahore.
- C. Delhi
- D. Karachi

#### Answer : B

68. Where did the Salt Satyagraha begin?

- A. Dandi
- B. Sabarmati Ashram
- C. Lucknow,
- D. Astaranga

#### Answer : B

8. <sub>21</sub>

# 69. Which Round Table Conference was attended by Gandhiji?

- A. First
  - B. Second
  - C. Third
  - D. None of these

Answer : B

# 70. Under whose leadership 'Khudai

# Khidmatgars' was formed?

- A. Mahatma Gandhi
- B. Bal Gangadhar Tilak
- C. Khan Abdul Ghaffar Khan
- D. Abul Kalam Azad

## Answer : C

71.	Wh	en did the Russian Revolution
	breal	cout?
	А.	1905
30	В.	1914
	C.	1917
1		1919
Answ	ver : C	
72.		en did Nazism develop in Germany?
	Α.	Before the First World War
	В.	5
12	C.	After the First World War
		After the Second World War
Answ	ver : C	
73.	Whe	o has written the book, 'Mein Kamf'?
1991 1991 - 1	A.	Adolf Hitler
	2	Benito Mussolini
	C.	Karl Marx
	D.	Lenin
Answ	ver : A	Destrostication and material
74.	Whi	ch of the following makes India a
12	Sec	ular State?
	A.	There is no National religion
	В.	State pays equal respects to all
		religions
	C.	Citizens of India enjoy freedom of
	34	religion
	D.	All the above reasons
Answ	ver : D	
75.	Wh	o presides over the Joint Sitting of
	the	Parliament?
97) 97	Α.	Prime Minister
3	В,	Vice President
	Ċ.	Speaker of Lok Sabha
		Leader of Opposition 4
Answ	ver : C	

76.	Against which of the following institutions NITI Aayog has been	
	created?	
8¥	A. National Judicial Appointment	
	Commission	
	B. Planning Commission	
	C. Finance Commission	
	D. Union Public Service Commission	
Answ	ver : B	
	Martin Caller Collection - Los Boom	
77.	Which of the following has been	
12	accorded the states of Opposition	
30 38	and the second	
	A. Congress	
	B. Communist Party of India	
	C. Samajwadi Party	
	D. None of the above	
Answ	ver : D	
78.	Which of the following is not a	
	permanent member of the Security	
12	Council of the UNO?	
	A. United States of America	
	B. Brazil	
	C. France	
	D. China	
Answ	ver:B	
79.	Which of the Articles enshrines India's	
	commitment to International Peace and	
	Security?	
200	A. Article 14	
	B. Article 21	
	C. Article 32	
	D	
Answ	D. Article 51 ver : D	
	140. 1. 1	
80.	Which of the following is not a	
	hindrance to National Integration?	
	A Communalism	
	B. Castrism	
	C. Feminism	
A	D. Regionalism	
Answ	ver : C	

81.	Which of the following statements is
	true about Parliamentary Democracy?
j	i. Executive is a part of the Legislature
. i	ii. Executive is controlled by the Legislature
	A. i is true, ii is false
	B. i is false, ii is true
	C. Both i and ii are true
50 	D. Both i and ii are false
Answ	er : C
82.	In which of the State Governor's Rule
	can be imposed?
	A. Jammu and Kashmir
	B. Odísha
	C. Manipur
	D. Goa
Answ	er : A
83.	Sustainable development is concerned
	with:
8	A. Future generation
	B. Preservation of natural resources
5	C. Both Aand B
Answ	D         None of the above
Allsw	
84.	Which of the following is not an
	element of Public Distribution System
	in India?
	A. Fare price shop B. Rationing
2	C. Subsidy
	D. Support price
Answ	
85.	Which Five Year Plan is operating in
83	India now?
	A. 11 <sup>th</sup> Five Year Plan
-83	B. 12th Five Year Plan
	C. 13th Five Year Plan
	D. 14th Five Year Plan
Answ	er : B

86. Which of the following is an unfavourable impact of globalization on the Indian economy?

- A. Strengthening of consumers' sovereignty
- B. Cultural erosion
- C. More market competition
- D. Increased foreign capital inflow

Answer : B

87. Who of the following said that people's well being would increase when their capabilities and opportunities to work improved?

• • •

- A. Kuznet
- B. Leibenstein
- C. Amartya Sen
- D. Arvind Panagariya

Answer : C

## 88. Which type of forest 'Solas' is?

- A. Tropical Dry Deciduous forest
- B. Mangrove forest
- C. Sub tropical Montane forest
- D. Temperate Montane forest

### Answer : C

89. What type of forest is found in the areas of India having an average annual rainfall between 100 cm to 200 cm?

2

- A. Evergreen forest
  - B. Monsoon forest
  - C. Tidal forest
  - D. Montane forest

### Answer : B

- 90. In which of the following states of India the Vedanthangal Bird Sanctuary is located?
  - A. Assam
  - B. Rajasthan
  - C. Tamil Nadu
  - D. Kerala

### Answer : C

	What is the position of India in the world in cotton production?
	응 것은 것 같은 다시 MAN 전 것 것 것 것 것 것 것 같아요. 이 제가 이 가지 않는 지수가 있는 것 가지 않는 것 가지 않는 것 같아요. 이 가지 않는 것 같이 있는 것 같이 있는 것 같이 있다.
- 10 10	A. First B. Second
	C. Third
Answe	
Answo	er : B
92.	What is the percentage of petroleum
	production at Bombay High to the total
	production of petroleum in India?
	A. 23%
	B. 43%
12	C. 63%
	D. 83%
Answe	· · · · · · · · · · · · · · · · · · ·
93.	At which place of India an aluminium
	industry is located?
	A. Jamshedpur
	B. Bumpur
8	C. Koma
8	C. Korba
	D. Chittaranjan Nagar
Answe	er : C
94.	What is the percentage of carbon in
	Bituminous coal?
85	A. 90 to 95~
	B. 60 to 80 ×
	C. 50 to 55 *
1	
Answe	B. 0010405
95.	For what type of resources the Puga
	of Ladakh is famous?
	A, Iron ore
	B. Petroleum
8	C. Hydroelectricity
	D. Geo-thermal energy
Answe	
96.	Which one of the following crops is
	plantation crop?
	A Rice
	B. , Wheat
	C. Rubber
Answe	D. Maze

97.	In which of the following place 'Khadin
	is found?
	A. Bhopal
12	B. Raipur
	C. Jaisalmar
335	D. Gaya
Answ	er : C
98.	In which of the year India became a
	member of the World Trade
	Organization?
	A. 1995
	B. 1997
	C: 1999
	D. 2001
Answ	er: A
99.	Which of the following Union Territories of India has the highest
	Territories of India has the highest
	population density?
	A. Poduchery
	B. Chandigarh
<u>80</u>	C. Andaman and Nicobar Iceland
19	D. Lakshadweep
Answ	er : B
100.	What type of map the Atlas is?
	A. Large scale map
	B. Medium scale map
1	C. Small scale map
	D. Cadastral map
Answ	er : C