

SSC MOCK TEST – 11 (SOLUTION)

1. (A) $35 : 77 :: 143 :: 221$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $5 \times 7 \quad 7 \times 11 \quad 11 \times 13 \quad 13 \times 17$
 Consecutive prime numbers
2. (A) Words in pair are opposite to each other.
3. (A) A foundation defines the structure of an edifice. Similarly, a constitution defines the structure of a nation.
4. (B) Moon is a satellite and Earth is a **planet**.
5. (C) First arises from second.
6. (D) Cup is used to drink something with the help of 'lips', Similarly Birds collect grass with the help of 'Beak'.
7. (A) $Q \ Y \ G \ O \ S \ A \ I \ Q \ U \ C \ K \ S \ W \ E \ M \ U$
8. (B) A Bud grows into a flower. Similarly, a **seed** grows into a plant.
9. (A) $2 \times 3 : 3 \times 5 :: 7 \times 11 : 11 \times 13$
 Consecutive prime numbers
10. (D) $A \ Z : Y \ C :: C \ X : W \ E$
11. (B) All except 'QUAY' are parts of Ship.
12. (B) All except 'Heart' are in pairs.
13. (B) 'Beethoven' was a musician. Rest were scientists.
14. (C) All except 'whale' lay eggs.
15. (A) All except 'listen' are physical activities.
16. (D) All except 'valley' are elevated features.
17. (D) 'Oasis' is related to desert. Rest are related to sea.
18. (C) 'Running', 'Sprinting' and 'Jogging' are different forms of exercise.
19. (C) 'Cabbage' grows above the ground and the rest grow beneath the ground.
20. (D) All except 'E' can be drawn with the help of three lines.
21. (C) $6 \quad 15 \quad 35 \quad 77 \quad 143$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $2 \times 3 \quad 3 \times 5 \quad 5 \times 7 \quad 7 \times 11 \quad 11 \times 13$
 (Consecutive prime numbers)
22. (A) a b c d / b c a d / c a b **d/a b c**
 1 2 3 4 2 3 1 4 3 1 2 4 1 2 3
23. (B) 69
24. (C) WONDER
25. (A) $12 - 7 = 5, 5 - 3 = 2$
 $24 - 7 = 17, 17 - 3 = 14$
 $48 - 7 = 41, 41 - 3 = 38$

26. (A) $3 \times 4 + 1 = 13$
 $13 \times 4 + 1 = 53$
 $53 \times 4 + 1 = 213$
 $213 \times 4 + 1 = 853$
27. (B) In anticlockwise direction, after adding two numbers we have,
 $4 + 6 = 10, 6 + 10 = 16, 16 + 26 = 42$
28. (B) VI IX XV XXIV XXXVI
 $6 \quad 9 \quad 15 \quad 24 \quad 36$
 $\swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $+3 \quad +6 \quad +9 \quad +12$
29. (A) 16 56 168 420 840
 $\swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $\times 3.5 \quad \times 3 \quad \times 2.5 \quad \times 2$
30. (C) 13, 35, 57, 79, 911, **141**
 numbers after reversing the digits
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $31, 53, 75, 97, 119, 141$
 $\swarrow \quad \swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $+22 \quad +22 \quad +22 \quad +22 \quad +22$
31. (D) 25 21 17 13 9 5
 y u q m i e
 $\swarrow \quad \swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $-4 \quad -4 \quad -4 \quad -4 \quad -4$
32. (B) In figure 2, the number of lines on the circumference of circle is increased by one compare to figure 1. The same is happening in answer figure (B) in compare to figure (3) of question figure.
33. (C) Inside a square, dot is moving $\frac{1}{2}, 1, 1\frac{1}{2},$
 in a anti-clockwise direction.
34. (B) $4/12/95 \quad 1/1/96 \quad 29/1/96 \quad 26/2/96 \quad 25/3/96$
 $\swarrow \quad \swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $+28 \text{ days} \quad +28 \text{ days} \quad +28 \text{ days} \quad +28 \text{ days}$
 $\therefore 1996$ is a leap year, so february will be of 29 days.
35. (A)
36. (C) We have,
 $(30 \times \text{Hours hand}) - (11/2 \times \text{minutes hand})$
 $= (30 \times 7) - (11/2 \times 35)$
 $= 210 - \frac{358}{2} = \frac{420 - 385}{2} = \frac{35}{2} = 17\frac{1}{2}$
37. (D) $48 + 16 \div 4 - 2 \times 8$
 After changing the sign, we have
 $48 \div 16 - 4 \times 2 + 8$
 $= 3 - 4 \times 2 + 8$
 $= 3 - 8 + 8$
 $= 3$
38. (C) ABCDEFGHIJKLMNOPQRSTUVWXYZ

 15th Right
 3rd left
39. (A) My father's only son = I
 My wife's son = My son
 so, the man's son is in the picture and he is the father of the son.

40. (A)

41. (B)  I. ×
II. ✓

42. (C)

43. (B) Total number of digits = $1 \times 9 + 2 \times 90 + 3 \times 267$
= $9 + 180 + 801 = 990$

44. (A) Here we should use the formula $n(n-1)$ to find the number of people present in party where n is the no. of people present in the party.

$$\begin{aligned} \text{So, } n(n-1) &= 210 \\ \Rightarrow n^2 - n - 210 &= 0 \\ \Rightarrow n^2 - 15n + 14n - 210 &= 0 \\ \Rightarrow n(n-15) + 14(n-15) &= 0 \\ \Rightarrow (n+14)(n-15) &= 0 \\ \Rightarrow n &= 15 \end{aligned}$$

No. of people present in the party = 15

45. (A) Some engineers and Surgeons can be the teachers in Engineering & Medical Colleges.

46. (A) From cube IIIrd and IVth we have,

$\begin{array}{ccc} 4 & 6 & 5 \\ \downarrow & \downarrow & \downarrow \\ 4 & 1 & 2 \end{array}$ {moving in clockwise direction}

47. (B) $\begin{array}{ccc} 2 & 3 & 4 \\ \hline 4 & 9 & 16 \end{array}$ $\begin{array}{ccc} 1 & 2 & 3 \\ \hline 1 & 4 & 9 \end{array}$ $\begin{array}{ccc} 2 & 5 & 3 \\ \hline 4 & 25 & 9 \end{array}$
After squaring the numbers

48. (C) 49. (C) 50. (C)

51. (A) $x + y + z = 0$; $x + y = -z$, $y + z = -x$
& $x + z = -y$

$$\text{then } \frac{xyz}{(x+y)(y+z)(z+x)} = \frac{xyz}{-z \times -x \times -y}$$

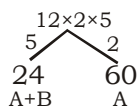
$$= \frac{xyz}{-xyz} = -1$$

52. (B) A + B did in 20 days = $\frac{20}{24} = \frac{5}{6}$ part

Remaining work is $\frac{1}{6}$ part

A does $\frac{1}{6}$ work in 10 days.

So, A will do the whole work in 60 days



$$B = \frac{60 \times 2}{5 - 2} = \frac{60 \times 2}{3} = 40 \text{ days}$$

53. (D) $a + \frac{1}{b} = b + \frac{1}{c} = c + \frac{1}{a}$

$$a + \frac{1}{b} = b + \frac{1}{c}$$

$$a - b = \frac{1}{c} - \frac{1}{b} = \frac{b - c}{bc}$$

$$bc = \frac{b - c}{a - b}$$

$$b + \frac{1}{c} = c + \frac{1}{a}$$

$$b - c = \frac{1}{a} - \frac{1}{c} = \frac{c - a}{ac}$$

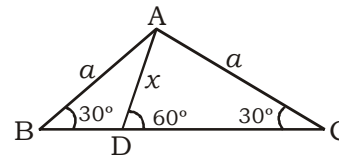
$$ac = \frac{c - a}{b - c}$$

In that way $ab = \frac{b - a}{c - a}$

$$ab \times bc \times ca = \frac{b - a}{c - a} \times \frac{b - c}{a - b} \times \frac{a - c}{b - c} = 1$$

$$(abc)^2 = 1, \quad abc = \sqrt{1} = \pm 1$$

54. (C)



$$\angle DAC = 90^\circ$$

In $\triangle ADC$

$$\tan 60^\circ = \frac{AC}{AD} = \frac{a}{x}$$

$$\sqrt{3} = \frac{a}{x}; \quad x = \frac{a}{\sqrt{3}}$$

55. (D) Let the two digit number be $(10x + y)$ and number after reversing digits = $(10y + x)$

$$\begin{aligned} \text{then sum} &= 10x + y + 10y + x \\ &= 11x + 11y \\ &= 11(x + y) \end{aligned}$$

Hence, it is divisible by 11

56. (D) $SP = 18000 \times \frac{80}{100} = 14,400$

$$CP = \frac{14400}{96} \times 100 = 15,000$$

57. (B) Let the total no. of candidates = 100

Total marks of 40 candidates = 40×74

& total marks of 60 candidates = 60×77

Hence, required average marks

$$= \frac{40 \times 74 + 60 \times 77}{100}$$

$$= \frac{2960 + 4620}{100}$$

$$= \frac{7580}{100} = 75.80$$

58. (A) Milk is 80 L = $80 \times \frac{3}{4} = 60$ L, water = 20 L

$$\frac{60}{20+x} = \frac{2}{3}; 30 \times 3 = 20 + x$$

$$x = 70 \text{ L}$$

59. (D) $x \propto \frac{1}{y^2}; x = K \frac{1}{y^2}$, where, K is constant

$$1 = K \times \frac{1}{6^2}; K = 36; \quad x = K \times \frac{1}{y^2}$$

$$= 36 \times \frac{1}{3^2} = 4$$

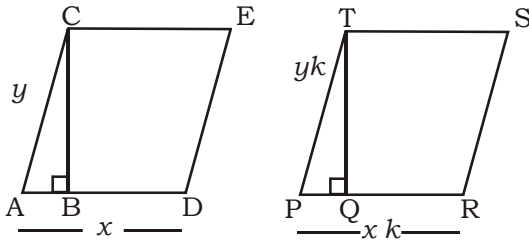
60. (D) Speed = $\frac{\text{distance}}{\text{time}}$;

Let length of train = x m
then,

$$\frac{x}{8} = \frac{x+200}{24}; 3x = x + 200;$$

$$x = 100 \text{ m}$$

61. (B)



$\Delta ABC \sim \Delta PQT$

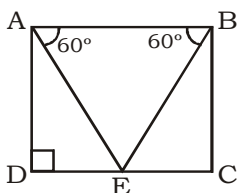
$$\frac{AC}{PT} = \frac{BC}{QT}$$

$$\frac{y}{yk} = \frac{BC}{QT} \Rightarrow \frac{BC}{QT} = \frac{1}{k}$$

$$\text{Ratio of areas} = \left(\frac{1}{k}\right)^2$$

$$= \frac{1}{k^2} = 1 : k^2$$

62. (A)



$\angle AEB = 60^\circ$

$\angle ABE$ is an equilateral triangle .

Perimeter of $\Delta ABE = 6$

Hence, $AB = 2$ unit

In ΔADE ,

$$AE^2 = AD^2 + DE^2$$

$$2^2 = AD^2 + 1^2 \text{ [E is mid point of CD]}$$

$$4 = AD^2 + 1$$

$$AD = \sqrt{3}$$

Hence, area of quadrilateral ABCD

$$= AB \times AD = 2 \times \sqrt{3} = 2\sqrt{3} \text{ sq. unit}$$

63. (D) Let CP = 100%, the SP = 120%

New CP = 90%, SP new = 120% - 30

$$(90\%) \times \frac{120}{100} = 120\% - 30$$

$$108\% = 120\% - 30$$

$$30 = 12\%$$

$$100\% = \frac{30}{12} \times 100 = 250$$

64. (C) Let first no. = x

$$8x + \frac{8 \times 7 \times 2}{2} = 93 \times 8; x + \frac{7}{2} \times 2 = 93$$

$$x = 93 - 7 = 86$$

65. (A) $\frac{1}{(\sqrt{2} + \sqrt{3}) - \sqrt{5}} + \frac{1}{(\sqrt{2} - \sqrt{3}) - \sqrt{5}}$

$$= \frac{1 \times (\sqrt{2} + \sqrt{3} + \sqrt{5})}{(\sqrt{2} + \sqrt{3} - \sqrt{5})(\sqrt{2} + \sqrt{3} + \sqrt{5})} +$$

$$\frac{\sqrt{2} - \sqrt{3} + \sqrt{5}}{(\sqrt{2} - \sqrt{3} - \sqrt{5})(\sqrt{2} - \sqrt{3} + \sqrt{5})}$$

$$= \frac{\sqrt{2} + \sqrt{3} + \sqrt{5}}{(\sqrt{2} + \sqrt{3})^2 - (\sqrt{5})^2} + \frac{\sqrt{2} - \sqrt{3} + \sqrt{5}}{(\sqrt{2} - \sqrt{3})^2 - (\sqrt{5})^2}$$

$$= \frac{\sqrt{2} + \sqrt{3} + \sqrt{5}}{5 + 2\sqrt{6} - 5} + \frac{\sqrt{2} - \sqrt{3} + \sqrt{5}}{5 - 2\sqrt{6} - 5}$$

$$= \frac{\sqrt{2} + \sqrt{3} + \sqrt{5} - \sqrt{2} + \sqrt{3} - \sqrt{5}}{2\sqrt{6}}$$

$$= \frac{2\sqrt{3}}{2\sqrt{6}} = \frac{1}{\sqrt{2}}$$

66. (D) Let price be x

$$x \times \frac{80}{100} \times \frac{80}{100} = 64 \times \frac{x}{100}$$

Total reduction is $100 - 64 = 36\%$

67. (B) X : Y = 3 : 2, Y : Z = 3 : 5

$$X : Y \Rightarrow 3 : 2 : 2$$

$$Y : Z \Rightarrow 3 : 3 : 5$$

$$X : Y : Z \Rightarrow 9 : 6 : 10$$

$$(X + Y) : (Y + Z) \\ 15 : 16$$

68. (C) $\sin \theta + \operatorname{cosec} \theta = 2$; $\sin \theta + \frac{1}{\sin \theta} = 2$;

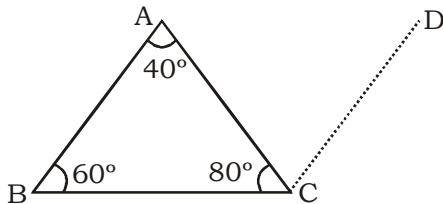
$$\begin{aligned} \sin^2 \theta + 1 &= 2 \sin \theta \\ \sin^2 \theta - 2 \sin \theta + 1 &= 0 \\ \sin^2 \theta - \sin \theta - \sin \theta + 1 &= 0 \\ \sin \theta (\sin \theta - 1) - 1(\sin \theta - 1) & \\ (\sin \theta - 1) (\sin \theta - 1) &= 0 \\ \sin \theta - 1 = 0; \sin \theta = 1 = \sin 90^\circ; \theta &= 90^\circ \\ \sin^{100} \theta + \operatorname{cosec}^{150} \theta &= 1^{100} + 1^{150} = 2 \end{aligned}$$

69. (B) $x \times \left(\frac{\sqrt{3}}{2}\right)^2 \times \frac{\sqrt{3}}{2} = \frac{1^2 \times \left(\frac{1}{2}\right)}{\sqrt{3}}$

$$= x \times \frac{3}{4} \times \frac{\sqrt{3}}{2} = \frac{2}{\sqrt{3}}$$

$$x = \frac{\sqrt{3} \times 8 \times 2}{3\sqrt{3} \times 2} = \frac{8}{3} = 2\frac{2}{3}$$

70. (A)



$\angle ACD = \angle BAC = 40^\circ$ (Alternate Angle)

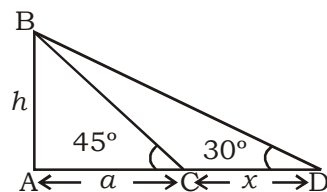
71. (A) $7 \sin^2 \theta + 3 \cos^2 \theta = 4$
 $7(1 - \cos^2 \theta) + 3 \cos^2 \theta = 4$
 $7 - 7 \cos^2 \theta + 3 \cos^2 \theta = 4$
 $7 - 4 \cos^2 \theta = 4$
 $4 \cos^2 \theta = 3$

$$\cos^2 \theta = \frac{3}{4}$$

$$\cos \theta = \frac{\sqrt{3}}{2} = \cos 30^\circ$$

$$\theta = 30^\circ$$

72. (C)



$$\tan 45^\circ = \frac{h}{a}$$

$$h = a$$

$$\tan 30^\circ = \frac{h}{a+x}$$

$$\frac{1}{\sqrt{3}} = \frac{h}{a+x}$$

$$\sqrt{3}h = h+x \quad [\because a = h]$$

$$x = 180\sqrt{3} - 180$$

$$x = 180(\sqrt{3} - 1) \text{ m}$$

73. (C) $(\sqrt{2} + \sqrt{7 - 2\sqrt{10}}) = \sqrt{2} + \sqrt{(\sqrt{5} - \sqrt{2})^2}$
 $= \sqrt{2} + \sqrt{5} - \sqrt{2} = \sqrt{5}$

74. (D) $x = \frac{x \times 15 \times t}{100}$; $t = \frac{100}{15} = 6\frac{2}{3}$ years

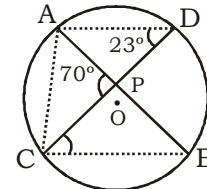
75. (A) $ab + bc + ca = 0$
 $ab + ca = -bc$; $ab + bc = -ca$
 $bc + ac = -ab$
 $= \frac{1}{a^2 - bc} + \frac{1}{b^2 - ca} + \frac{1}{c^2 - ab}$
 $= \frac{1}{a^2 + ab + ca} + \frac{1}{b^2 + ab + bc} + \frac{1}{c^2 + bc + ca}$
 $= \frac{1}{a(a+b+c)} + \frac{1}{b(b+a+c)} + \frac{1}{c(c+b+a)}$

$$\frac{ab + bc + ca}{abc(a+b+c)} = 0$$

76. (B) $(x - y)(x + y) = 80$; $x - y = 8$
 $x + y = 10$;
 $\frac{x - y = 8}{2x = 18}$ [given]
 $x = 9$; $y = 1$

$$\text{Average} = \frac{9+1}{2} = 2$$

77. (B)



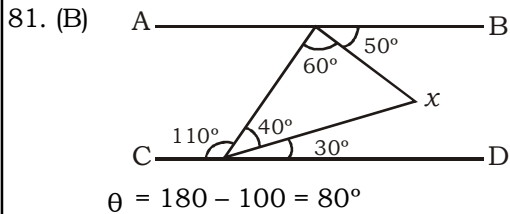
$\angle ADC = \angle ABC$ [Angle formed by same chord of a circle]

$$\angle BCD = 70^\circ - 23^\circ = 47^\circ$$

78. (B) $a = 1, b = -1, c = 1$
 $a - b + c$
 $1 - (-1) + 1 = 2 + 1 = 3$

79. (A) Let $x = -1$,
 $(-1)^{97} + \frac{1}{(-1)^{94}} = -1 + 1 = 0$

80. (B) $40! = 40 \times 39 \times 38 \times \dots \times 1$
 Number of zero = $8+1 = 9$



82. (A) Volume = $\frac{\sqrt{2}}{12} a^3$
 $= \frac{\sqrt{2}}{12} \times 4^3 = \frac{16\sqrt{3}}{3} \text{ cm}^3$

83. (A) $a : b : c \leftarrow 1 : 2 : 3 \quad 3 \quad 3$
 $c : d : e \rightarrow \frac{2}{2} \frac{2}{2} \frac{2}{2} \frac{3}{3} \frac{1}{1}$
 $a : b : c : d : e \quad 2 : 4 : 6 : 9 : 3$

84. (A) Let CP = 100%, SP = 95%
 New SP = 100% + 5% = 105%
 Profit = 105% - 95% = 10%
 $10\% \xrightarrow{\times 8} 80$
 $100\% \xrightarrow{\times 8} 800 = ₹ 800$

85. (D) Let distance be x km

$$\frac{x}{2 \times 21} + \frac{x}{2 \times 24} = 10$$

$$x \left[\frac{48 + 42}{42 \times 48} \right] = 10$$

$$x = \frac{42 \times 48 \times 10}{90}$$

$$x = 224 \text{ km}$$

86. (A) Vimal : Arun = $\times 10 \left(\frac{3}{30} : \frac{5}{50} \right) \times 10 \Rightarrow 8 \xrightarrow{\times 10} 80$

After 10 year = $\frac{30+10}{50+10} = \frac{40}{60} = \frac{2}{3}$ or 2 : 3

87. (B) $75 - 57 = 18$

Average = $\frac{18}{6} = 3$ each

Actual average = $75 - 3 = 72$

88. (C) $\frac{\sqrt{1 + \sin \theta} (1 + \sin \theta)}{\sqrt{1 - \sin \theta} (1 + \sin \theta)}$

$$= \sqrt{\frac{(1 + \sin \theta)^2}{1 - \sin^2 \theta}}$$

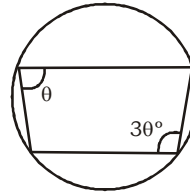
$$= \sqrt{\frac{(1 + \sin \theta)^2}{\cos^2 \theta}}$$

$$= \frac{1 + \sin \theta}{\cos \theta}$$

$$= \frac{1}{\cos \theta} + \frac{\sin \theta}{\cos \theta}$$

$$= \sec \theta + \tan \theta$$

89. (D)



$$\theta + 3\theta = 180^\circ$$

$$4\theta = 180^\circ$$

$$\theta = 45^\circ$$

$$3\theta = 135^\circ$$

90. (D) 0.775

$$0.72\overline{5} = 0.72555\dots$$

$$0.\overline{725} = 0.7252525\dots$$

$$0.\overline{72\overline{5}} = 0.725725725\dots$$

Hence largest number will be $0.\overline{72\overline{5}}$

91. (A) $t_1 + t_2 = \frac{12}{11 - S_1} + \frac{12}{11 + S_1}$

$$\Rightarrow 12 \left(\frac{11 + S_1 + 11 - S_1}{11^2 - S_1^2} \right) = 2 + \frac{45}{60}$$

$$\Rightarrow \frac{12 \times 22}{121 - S_1^2} = 2.75$$

$$\Rightarrow 121 - S_1^2 = \frac{12 \times 22}{2.75}$$

$$\Rightarrow 121 - S_1^2 = 96$$

$$\Rightarrow S_1^2 = 25$$

$$\Rightarrow S_1 = \sqrt{25} = 5 \text{ km/h}$$

92. (D) $2\pi r = 2 \times \frac{22}{7} \times 42$

$$4a = 2 \times \frac{22}{7} \times 42$$

$$a = \frac{2 \times 22 \times 42}{7 \times 4} = 66 \text{ cm}$$

93. (B) Area of Trapezium = $\frac{1}{2} (3 + 5) \times 4$

$$= 16 \text{ m}^2$$

Total cost of painting = $16 \times 25 = ₹ 400$

94. (A) Dog Rabbit



Ratio of their speed = $6 \times 6 : 5 \times 7$
 $= 36 : 35$

95. (D) The LCM of three numbers is 150. In the given option 55 can't be their HCF.
96. (A) $\frac{72}{360} \times 90,000 = 18000$
97. (A) Cement + steel + supervision
 $= 72^\circ + 54^\circ + 54^\circ$
 $= 180^\circ$
- Percent of total cost = $\frac{180}{360} \times 100 = 50\%$
98. (A) Required percentage $\Rightarrow \frac{72 - 54}{72} \times 100$
 $= \frac{18}{72} \times 100 = 25\%$
99. (B) Required exceed = $90 - 54 = 36^\circ$
- Required amount $\Rightarrow \frac{36}{360} \times 90,000 = 9000$
100. (C) Cement + Steel + Timber
 $= 72 + 54 + 36 = 162$
 Labour + Timber = $90 + 36 = 126$
- Required percent = $\frac{36}{126} \times 100 = 28.57$
101. (A) \Rightarrow Beri-Beri is a disease caused by the deficiency of vitamin B1. This water soluble vitamin is known as Thiamine or anti beri-beri or antineuritic factor. It is common in areas where polished rice is the major food item.
- \Rightarrow Malaria is an insect-borne disease caused by a parasitic protozoan, plasmodium.
- \Rightarrow Kala-azar or black fever is a insect-borne disease caused by protozoan parasites of the Leishmania genus.
- \Rightarrow Plague is a deadly disease caused by bacteria Yersinia pestis.
102. (C) Godwin Austen also known as K_2 is the second highest mountain peak after Mount Everest. As Mount Everest is not given in options so, answer will be (C) Godwin Austen.
103. (D) The Durgapur steel plant was launched with an assistance of a consortium led by British Firms and started in 1956.
- \Rightarrow The Rourkela steel plant was set up in collaboration of German firms viz Krupp and Dernag. It was started in 1961.
- \Rightarrow The Bhilai Steel plant was set up with the technical assistance of Soviet Union in September 1967.
- \Rightarrow Bokaro steel plant was setup in collaboration with the Soviet Union. It was originally incorporated as a limited company on 29th January 1964 and was later merged with SAIL.
104. (B) Conjunctivitis also known as Pinkeye, causes a redness and inflammation of the clear membranes covering the white part of the eye and membranes of inner part of eyelids.
- \Rightarrow Dermatitis – it is an inflammatory reaction involving the eyelid skin.
- \Rightarrow Gout is an acute inflammatory arthritis causes swelling in joint, stiffness, sudden burning pain.
- \Rightarrow Meningitis is an injection of the fluid and membranes around the brain and spinal cord.
106. (A) Short Sightedness is also known as Myopia. It occurs when light is focussed in front of the retina. It occurs if either the eyeball is too long or if the cornea is too curved. People suffering from this is not able to see distant objects clearly.
107. (C) The DPSP (Directive Principles of State Policy) is guidelines to the Central and State Governments of India, to be kept in mind while framing laws and policies. They are enumerated in part IV of the Constitution and lays down certain economic and social policies to be pursued by the various governments in India. They are classified as social and economic charter, social security charter and community welfare charter.
108. (A) The Constitution of India has borrowed the Parliamentary system of Government, Nominal Head-President, Cabinet System of Ministers, post of PM, Bicameral Parliament, Lower house more powerful, Council of Ministers responsible to Lower House and Speaker in Lok Sabha from the UK.
109. (C) Top 5 shipbuilding countries are South Korea, China, Japan, Philippines and Vietnam.
110. (A) Lake Baikal in Southern Russia is the world's deepest lake. It is 5,314 feet deep and its bottom is at 4,215 feet below sea level. Lake Baikal is also the world's largest freshwater lake in terms of volume.
111. (B) The Great Indian Bustard, one of the heaviest flying birds, can weigh up to 15 kg and grows up to one metre in

- | | |
|--|---|
| <p>height. Less than 200 birds are left now, of which about 100 are in Rajasthan. On June 5, the State announced Project Great Indian Bustard with an objective of conservation of the remaining population of the bird.</p> <p>113. (B) Bodh Gaya is the place where Gautam Buddha attained Enlightenment under Bodhi tree. Apart from Bodh Gaya, three pilgrimage sites related to the life of Buddha are Kushinagar, Lumbini and Sarnath. In 2002, Mahabodhi temple, located in Bodh Gaya, became a UNESCO World Heritage site.</p> <p>114. (B) The Pandyas ruled over an area consisting of the modern day Southern Tamil Nadu. Their capital was Madurai which was the political and cultural centre.</p> <p>115. (B) A dust storm or sand storm is a meteorological phenomenon common in arid and semi-arid regions. It occurs during summer months and are quite violent. Dust storms during summer indicates arrival of monsoon while in winter it indicates arrival of winter season. So, in summer it decreases the temperature.</p> <p>117. (B) Lucknow Pact is an agreement that took place between Indian National Congress, led by Bal Gangadhar Tilak and the All India Muslim League, led by Muhammed Ali Jinnah in Lucknow in 1916. It provided for the representation of Muslim through separate electorates. It established a cordial relation between moderates and extremists. It also, pressurised the British Government to have more liberal approach towards India.</p> <p>118. (B) Edward Jenner was the first person who developed and generalized the vaccination technique against the dreadful disease smallpox. Smallpox is caused by virus Variola.</p> <p>119. (B) Asbestosis is a chronic lung disease characterized by scarring of lung tissues, which leads to long term breathing complications and it does not have a cure. It occurs due to asbestos mining, milling trades, ship builders and insulation of workers in the construction and building trades.</p> | <p>⇒ Silicosis is a form of occupational lung disease caused by inhalation of crystalline silica dust.</p> <p>⇒ Siderosis is the deposition of iron in tissue and refers to an environmental disease of the lung.</p> <p>⇒ Asthma and Tuberculosis - Tuberculosis is caused by organism mycobacterium tuberculosis. It mainly affects lungs.</p> <p>120. (D) China has launched the Yaogan-23 remote sensing satellite in to scheduled orbit from the Taiyuan Satellite Launch Centre in North China's Shanxi province. It will be used for scientific experiments, natural resource surveys, crop yield estimates and disaster relief. It was carried by a Long March-2C rocket.</p> <p>122. (A) Dakshin Gangotri was India's first scientific manned station in Antarctica. The name is derived from the Gangotri Glacier which acts as the source for the river Ganges. 'Dakshin' is a Sanskrit word meaning 'South'.</p> <p>⇒ Himadri is India's first Arctic research station located at Norway. It was set up during India's second arctic expedition in June 2008. It is located at a distance of 1,200 kms from the North Pole.</p> <p>⇒ Palmer Station is the only US research station in Antarctica.</p> <p>124. (B) Pravasi Bharatiya Samman 2015 has been awarded to 15 prominent non-resident Indians. The awards were presented by Vice-President Hamid Ansari on the Concluding day of 13th Pravasi Bharatiya Diwas.</p> <p>125. (D) Battle of Chanderi, 1528-Medni Rai of Chanderi was defeated by Babur.</p> <p>⇒ First battle of Panipat, 21 April 1526- Babur defeated the forces of Lodhi empire and marked the beginning of the Mughal Empire.</p> <p>⇒ Battle of Khanwa, 17 March 1527- Rajputs under Rana Sanga of Mewar, were defeated by Babur of Ferghana.</p> <p>⇒ Battle of Ghagra, 6 May 1529- Babur defeated and dispersed Afghans.</p> <p>126. (B) Revolutionary Communist Party of India (RCPI) is a political party in India. The party was founded by Saumyendranath Tagore in 1934.</p> |
|--|---|



K.D Campus Pvt. Ltd

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

129. (C) Fundamental Duties were added in the Constitution by 42nd Amendment Act in 1976 by the recommendation of Swaran Singh Committee. Total 11 Fundamental Duties are there in which organization of village panchayat is not there. It is a part of DPSP.
131. (D) All physiological aspects of plants are affected by plant hormones including auxins, cytokinin and gibberellins. Cytokinin promotes cell division, controls many development processes in plants.
132. (A) Edaphic factors are defined as ecological influences properties of the soil brought by its physical and chemical characteristics.
135. (D) Brazil is the world's second largest producer of ethanol fuel and together with US leads the industrial production of ethanol fuel. Ethanol is blended with Gasoline for Internal Combustion Engines in automobiles, motorcycles etc.
136. (C) The Saudi Air force launched operation Storm of Resolve with the support of aviation from Bahrein, Qatar, Kuwait and the United Arab Emirates against Shia rebels who have seized control of a considerable part of Yemen.
138. (B) The National Rural Drinking Water Programme (NRDWP) is a flagship programme of the Government and a component of Bharat Nirman with the objective of ensuring provision of safe and adequate drinking water supply through handpumps etc to all rural areas, households and persons. This programme was launched after merging three programmes- Accelerated Rural Water Supply Programme (ARWSP), Swajaldhara and National Rural water quality Monitoring and Surveillance.
142. (B) Merchant Bank mostly deals in international finance, long-term loans for companies and underwriting. It does not provide regular banking services to the general public.

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Abuse	Misuse of power/to speak foul language	दुपयोग करना/गाली देना
Amateur	non-professional	अव्यवसायी
Anomalous	not expected or usual	अनियमित
Asinine	very stupid and silly	मूर्ख
Cannibal	that eats one's own species	स्वयं की प्रजाति खाने वाला
Cranky	eccentric	विचित्र
Derail	to leave its tracks	पटरी से उतरना
Deride	to make fun of someone	मजाक उड़ाना
Dragnet	a series of actions that are done by the police in order to catch criminals	जाल
Dulcet	pleasant to hear	सुरीला
Elate	very happy and excited	प्रफुल्लित
Embrocation	a liquid that is rubbed onto the body to reduce pain or stiffness in muscles	लोशन
Exaggerate	overstatement	बढ़ाकर कहना
Guilty	responsible for committing a crime or doing something bad or wrong	दोषी
Hyperbole	language that describes something as better or worse than actual	किसी बात को घटा-बढ़ा कर कहना
Indignation	distress	नाराजगी
Liniment	a liquid that is rubbed on your skin to relieve pain or stiffness in your muscles	मरहम
Lunacy	madness	पागलपन
Magniloquent	using high-flown or bombastic language	आडंबरपूर्ण
Merger	the act or process of combining two or more businesses etc together	मेल
Munificent	very generous	उदारतापूर्ण
Prognostication	a statement about what is going to happen in the future	भविष्यवाणी
Provocation	an action or occurrence that causes someone to become angry	उकसाना
Ridicule	the act of making fun of someone in a cruel or harsh way	मजाक उड़ाना
Rung	any of the short bars that form the steps of a ladder	सीढ़ी का डंडा
Snub	to ignore in a deliberate and insulting way	अनादर करना
Spineless	lacking courage or strength	कायर
Spotlight	bright beam of light on a small area	प्रकाश बिन्दु
Sycophant	a person who praises others in order to get their approval	चमचा/चापलूस
Tenebrous	shut off from the light	अंधेरा
Toxic	containing poisonous substances	जहरीला
Vibrant	loud and powerful	चमकीला/आकर्षक
Voodoo	a type of religion involving magic and the worship of spirits	जादू-टोना



Campus K.D Campus Pvt. Ltd

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

SSC MOCK TEST - 11 (ANSWER KEY)

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

151. (B); Change 'could he' into 'he could'. The sentence is not a question. Hence helping verb will come after the subject.
152. (A); Add 'one of ' before 'the'. India is 'one of the most vibrant democracies'.
153. (A); Change 'about' into 'of'. 'Think' is followed by preposition 'of'.
154. (C); Change 'his' into 'their'. Here the subject 'Most of the students' is plural. Hence the adjective used will be plural 'their' not singular 'his'
155. (A); 'Enough' is preceded by 'positive degree' of adjective and not by a 'comparative degree'.

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003