

**SSC MOCK TEST – 135 (SOLUTION)**

1. (C) Sanitation keeps illness away and care keeps accident away.

2. (A) As, G r t k K t r G  
a b c d d c b a

Similarly, F j b H **H b j F**  
a b c d d c b a

3. (B) As,  $\begin{matrix} 20 & & 11 \\ & \swarrow & \searrow \\ & +2+1 & \end{matrix}$

Similarly,

$\begin{matrix} 102 & & 52 \\ & \swarrow & \searrow \\ & +2+1 & \end{matrix}$

4. (D) Chemical formula is possible only for water (H<sub>2</sub>O).

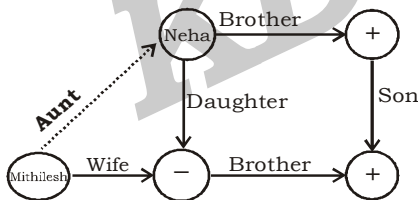
5. (B)  $\begin{matrix} E & C & B & Y & G & E & D & A & W & U & T & O \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ -2 & -1 & -3 & -2 & -1 & -3 & -2 & -1 & -3 & -2 & -1 & -3 \\ R & T & U & X \\ \uparrow & \uparrow & \uparrow & \uparrow \\ +3 & +1 & +3 & \end{matrix}$

6. (A)  $\begin{matrix} 52 & 61 & 43 & 54 & 72 & 83 & 18 & 29 \\ & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow \\ & +9 & +11 & +11 & +11 & +11 & +11 & \end{matrix}$

7. (B) Franchise → Frantic → Fraternity → Fraudulent → Fraught

8. (A) H I J H / H I J H / H I J H / H I J H

9. (A)



10. (C) X > W > Y - (i)

Z > Y - (ii)

From (i) and (ii), we have , Y is the shortest among all.

11. (B)

$\begin{matrix} & -3 & & -3 & & -3 & & -3 \\ & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow \\ C & A & R & G & C & O & K & E & L & O & G & I & S & I & F \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 & +4 \\ & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow \\ & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 \end{matrix}$

12. (A)  $\begin{matrix} 100 & 50 & 52 & 26 & 28 & 14 & 16 & 8 \\ & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow & \swarrow \\ & +2 & +2 & +2 & +2 & +2 & +2 & +2 \end{matrix}$

13. (C) PAVEMENT

14. (A)  $\begin{matrix} S & Y & S & T & E & M \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ R & X & R & S & D & L \end{matrix}$

C O R R E C T  
-1 -1 -1 -1 -1 -1 -1  
B N Q Q D B S

15. (B) 9 A 2 B 6 D 4 C 2  
 $9 + 2 \times 6 - 4 \div 2$

After putting the signs as per the given details,  
 $9 + 12 - 2 = 19$

16. (B)  $4 \times 3 \Rightarrow 4 + 3 = 7 \Rightarrow 7 \times 2 = 14$

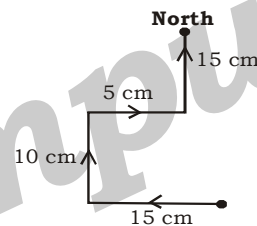
$5 \times 4 \Rightarrow 5 + 4 = 9 \Rightarrow 9 \times 2 = 18$

$6 \times 5 \Rightarrow 6 + 5 = 11 \Rightarrow 11 \times 2 = 22$

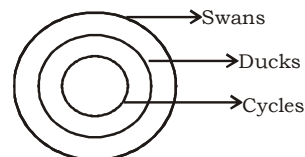
$7 \times 6 \Rightarrow 7 + 6 = 13 \Rightarrow 13 \times 2 = 26$

17. (B)  $12 = 8 + 4, 100 = 44 + 56$

18. (A)



19. (B)



I. ×

II. ✓

∴ Only conclusion II follows

20. (D) 21. (D) 22. (A) 23. (C) 24. (D) 25. (D)

26. (D) The **Midday Meal Scheme** is a school meal programme of the Government of India designed to improve the nutritional status of school-age children nationwide.

**Main Objective of Mid-Day Meal Scheme:**

- Boost Universalization of Elementary Education – increasing enrolment, attendance, retention and bring down the dropout rate.
- Improving the nutritional status of children.
- Encourage poor children to attend school regularly and help them to concentrate on classroom activities- stop classroom hunger.

27. (C) The **first meeting** of the Constituent Assembly of India took place in Constitution Hall, **New Delhi**, on **9<sup>th</sup> December 1946**. **Dr. Sachchidananda Sinha** was the first chairman (**temporary**) of Constituent Assembly. Later **Dr. Rajendra Prasad** was elected as the president and its vice-president was **Harendra Coomar Mookerjee**.
29. (C) The **Komagata Maru** was a **coal-transport steamship** that had been converted into a passenger ship by Hong Kong-based businessman **Gurdit Singh**. It set off from Hong Kong in **April 1914**, reaching Vancouver's harbour a month later with **376 people** on board.
30. (D) The **Niger Delta** is the delta of the **Niger River** sitting directly on the **Gulf of Guinea** on the Atlantic Ocean in Nigeria. Niger Delta is a very densely populated region sometimes called the **Oil Rivers** because it was once a major producer of **palm oil**.
32. (D) A **bluish-green** crystalline compound that is used in sewage and water treatment, and as a pigment and fertilizer. It is also used in medicine to treat iron deficiency. It is also called **Green Vitriol**. (Chemical formula: **FeSO**)
34. (D) **Roland Georges Garros** (1888–1918), was a **French aviator** and **World War I fighter pilot**. **French Open**, a major (grand slam) tennis tournament is also known as Roland Garros, named after him.
35. (C) **Kumbh Mela**, inscribed on the **UNESCO's** Representative List of Intangible Cultural Heritage of Humanity, is a mass Hindu pilgrimage of faith in which Hindus gather to bathe in a sacred or holy river. Traditionally, four fairs are widely recognized as the Kumbh Melas: the **Haridwar Kumbh Mela**, the **Allahabad Kumbh Mela**, the **Nashik- Trimbakeshwar Simhastha**, and **Ujjain Simhastha**. These four fairs are held periodically at one of the following places by rotation: Haridwar, Allahabad (Prayaga), Nashik district (Nashik and Trimbak), and Ujjain.
36. (C) The **Bhimbetka rock shelters** are an archaeological site in central India that spans the prehistoric Paleolithic and Mesolithic periods, as well as the historic period. They are situated some 28 miles (45 km) south of **Bhopal**, in west-central **Madhya Pradesh** state.
37. (A) The **Lahore Resolution**, commonly known as the **Pakistan Resolution**, was a formal political statement adopted by the Muslim League at the occasion of its three-day general session on 22–24 March 1940 that called for greater Muslim autonomy in British India. The resolution was presented at Minto Park, in Lahore, by **Maulvi A.K. Fazlul Huq** on the instructions of the Working Committee.
38. (D) The **Central Statistics Office (CSO)** is a governmental agency in India under the Ministry of Statistics and Programme Implementation responsible for co-ordination of statistical activities in India, and evolving and maintaining statistical standards.
39. (C) Beyond the gas giant Neptune lies a region of space filled with icy bodies. Known as the **Kuiper Belt**, this chilly expanse holds trillions of objects, remnants of the early solar system.
41. (C) **Ultrasound** uses sound waves to create an image (picture). The sound waves can't be heard and the power of the sound waves used is very low. In pregnancy an ultrasound scan can be used **to look at the developing baby**.
43. (D) The **Pushkar Fair** is one of the most attractive festivals in **Rajasthan**. In the start of winters every year, the desert landscape is seen covered by almost **30,000 camels**. The fair eponymous with camels is a fascinating colorful opportunity to witness an Indian festival.
44. (B) An Inquiry into the Nature and Causes of the **Wealth of Nations** is the full name of the famous book by **Scottish economist** and **moral philosopher Adam Smith**. Known more commonly by its shortened name, The Wealth of Nations was **published in 1776**.
45. (A) **Data Protection Day** marks a global event that occurs every **28<sup>th</sup> January** to raise awareness and promote privacy and data protection best practices. It is an effort to empower people to protect their privacy, control their digital

footprint and escalate the protection of privacy and data as everyone's priority.

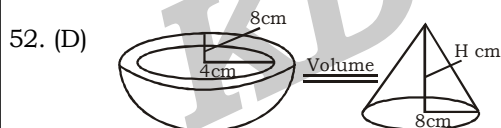
- 7<sup>th</sup> February : **Safer Internet Day**
- 1<sup>st</sup> March : **Zero Discrimination Day**
- 4<sup>th</sup> March : **National Security Day**

47. (D) The **planets, asteroids, and comets** travel around the **Sun**, the center of our **Solar System**. The Solar System is elliptical or egg shape, and is part of a galaxy known as the **Milky Way**. The inner Solar System consists of the Sun, Mercury, Venus, Earth and Mars.

• **Nebula**: A nebula is a massive cloud of gas and dust in outer space.

50. (C) **Neelam Kapur**, the 1982 batch **Indian Information Service (IIS)** officer appointed as the new **Sports Authority of India (SAI)** director general (DG), was serving as the Principal Director General of the **Directorate of Field Publicity (DFP)**.

51. (C)  $\begin{matrix} X & & Y \\ & \searrow & / \\ & XY & \\ & / & \searrow \\ Y & & X \end{matrix}$   
 $\frac{XY}{X+Y}$   
 Time taken by them =  $\frac{XY}{X+Y}$  days



ATQ,  
 $\frac{2}{3} \pi (8^3 - 4^3) = \frac{1}{3} \pi \times 8 \times 8 \times H$

$\Rightarrow H = 14 \text{ cm}$

53. (C) ATQ, 2% = 15

$100\% = \frac{15}{2} \times 100 = ₹ 750$

$\therefore$  Marked price = **₹ 750**

54. (D) Distance =  $(45 - 40) \times \frac{45}{60}$

=  $5 \times \frac{45}{60} = 3.75 \text{ km}$

55. (A)  $x + 5 + \frac{1}{x+1} = 6$

Subtract '4' both sides,

$x + 5 + \frac{1}{x+1} - 4 = 6 - 4$

$\Rightarrow x + 1 + \frac{1}{x+1} = 2$

Taking cube on both sides,

$(x + 1)^3 + \frac{1}{(x+1)^3} + 3 \times 2 = 8$

$\Rightarrow (x + 1)^3 + \frac{1}{(x+1)^3} = 8 - 6 = 2$

56. (C)  $a^2 + 1 = 9a$

$\Rightarrow a + \frac{1}{a} = 9$

Square both sides,

$a^2 + \frac{1}{a^2} = 9^2 - 2 = 81 - 2 = 79$

57. (B)  $n = 4x + 3$

$\Rightarrow 2n = 8x + 6$

$\Rightarrow 2n = 8x + 4 + 2$

$\therefore$  Remainder = **2**

58. (A) Let the average contribution = ₹  $x$  ATQ,

$\frac{800+x+50}{9} = x$

$\Rightarrow 9x = 850 + x$

$\Rightarrow x = 106.25$

$\therefore$  Average contribution = **₹ 106.25**

59. (B)  $\frac{1}{a} + \frac{1}{b} + \frac{1}{c} = \frac{71}{abc}$

$\Rightarrow \frac{ab+bc+ca}{abc} = \frac{71}{abc}$

$\Rightarrow ab+bc+ca = 71 \dots(i)$

$a + b + c = 15$

Squaring both sides,

$a^2 + b^2 + c^2 + 2(ab+bc+ca) = 225$

Putting the value of  $ab+bc+ca = 71$

$\Rightarrow a^2 + b^2 + c^2 + 2 \times 71 = 225$

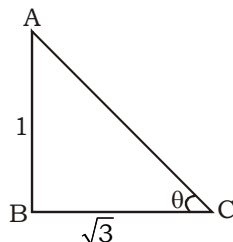
$\Rightarrow a^2 + b^2 + c^2 = 83 \dots(ii)$

$\Rightarrow a^3 + b^3 + c^3 - 3abc = (a+b+c)[a^2 + b^2 + c^2 - (ab+bc+ca)]$

Putting the value from equ. (i) and (ii),

$a^3 + b^3 + c^3 - 3abc = 15(83 - 71) = 180$

60. (C)



$\tan \theta = \frac{1}{\sqrt{3}}$

$\Rightarrow \tan \theta = \tan 30^\circ$

$\Rightarrow \theta = 30^\circ$

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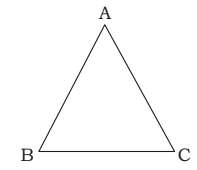
61. (B) Net rate for S.I =  $5 \times 2 = 10\%$   
 Net rate for C.I. =  $5 + 5 + \frac{5 \times 5}{100} = 10.25\%$   
 A.T.Q,  
 $10\% = 50$   
 $\Rightarrow 10.25\% = \frac{50}{10} \times 10.25 = 51.25$   
 $\therefore$  Compound Interest = **₹51.25**

62. (D)  $\sin \theta = \frac{\sqrt{3}}{r}$   
 $\Rightarrow \sin^2 \theta = \frac{3}{r^2} \dots(i) \quad \cos \theta = \frac{1}{r}$   
 $\Rightarrow \cos^2 \theta = \frac{1}{r^2} \dots(ii)$   
 From equation (i) and (ii),  
 $\sin^2 \theta + \cos^2 \theta = \frac{3}{r^2} + \frac{1}{r^2}$   
 $\Rightarrow 1 = \frac{4}{r^2} \Rightarrow r^2 = 4 \Rightarrow r = 2$   
 $\therefore \sin \theta = \frac{\sqrt{3}}{2}$   
 $\Rightarrow \sin \theta = \sin 60^\circ \theta = \mathbf{60^\circ}$

63. (B)  $\frac{B}{A+C} = \frac{5}{13}$   
 A.T.Q.,  
 18 units = ₹1620  
 5 units = ₹450  
 $\therefore$  share of B = **₹ 450**

64. (B)  $\begin{matrix} \text{C.P.} & \xrightarrow{+20\%} & \text{M.P.} \\ 100 & & 120 \\ \text{P} = 8\% & \swarrow & \text{D} = ₹ 12 \\ & \text{SP} & \\ & 108 & \end{matrix}$   
 Discount percentage =  $\frac{12}{120} \times 100 = \mathbf{10\%}$

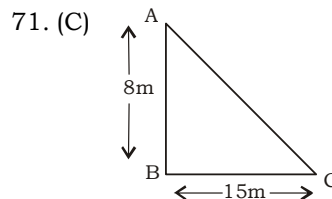
65. (B)  $\begin{matrix} \text{Old Salary} & \xrightarrow{-20\%} & \text{New Salary} \\ 100 & & 80 \\ & \longleftarrow & \\ & +20 & \end{matrix}$   
 $\therefore$  Required Percentage =  $\frac{20}{80} \times 100 = \mathbf{25\%}$

66. (B)   
 $\angle A + \angle B = 75^\circ \dots(i)$   
 $\angle B + \angle C = 140^\circ \dots(ii)$

Adding (i) and (ii),  
 $\angle A + 2 \angle B + \angle C = 215^\circ$   
 $\angle A + \angle B + \angle C = 180^\circ$  (Sum of angles of a  $\Delta$  is  $180^\circ$ )

$\angle B = 215^\circ - 180^\circ = \mathbf{35^\circ}$   
 67. (B)  $(1 + \tan^2 \theta) (1 - \sin^2 \theta)$   
 $= \sec^2 \theta \times \cos^2 \theta = \mathbf{1}$   
 68. (B)  $4x^2 - 12x + k$  is perfect square  
 $(2x)^2 - 2 \times 2x \times \sqrt{k} + (\sqrt{k})^2 - 4x \sqrt{k} = -12x$   
 $\Rightarrow k = \mathbf{9}$   
 69. (C)  $p^3 - q^3 = (p - q) [(p - q)^2 + xpq]$   
 $p^3 - q^3 = (p - q) [p^2 + q^2 + (x - 2)pq]$   
 $\dots(i)$   
 But,  $p^3 - q^3 = (p - q) (p^2 + q^2 + pq)$   
 $\dots(ii)$   
 By comparing (i) & (ii)  
 $x - 2 = 1 \Rightarrow x = \mathbf{3}$

70. (C)  $a + \frac{1}{a} = \sqrt{3}$   
 $a^3 + \frac{1}{a^3} = 0$   
 Now,  $a^{18} + a^{12} + a^6 + 1$   
 $\Rightarrow a^{15} \left[ a^3 + \frac{1}{a^3} \right] + a^3 \left[ a^3 + \frac{1}{a^3} \right]$   
 Put  $a^3 + \frac{1}{a^3} = 0 = a^{15}(0) + a^3(0) = 0 + 0 = \mathbf{0}$



$AC = \sqrt{AB^2 + BC^2}$   
 $= \sqrt{8^2 + 15^2}$   
 $= \sqrt{64 + 225} = 17m$   
 Height of tree =  $AB + AC = 8 + 17 = \mathbf{25m}$

72. (A) Required ratio =  $\frac{3.3 + 2.5 + 1.6 + 1.6 + 1.6 + 1.1}{3.3 + 2.5 + 1.6 + 1.6 + 1.6 + 1.1 + 22.6 + 12.5 + 12.1 + 10.6}$   
 $= \frac{11.7}{69.5} = \mathbf{\frac{1}{6}}$

73. (D) **UAE**  
 74. (B) Required Ratio =  $35.2 : 68.8 = \mathbf{35 : 69}$   
 75. (B) Required Answer  
 $= \frac{10.6}{1.2} = \mathbf{9}$

**MEANINGS IN ALPHABETICAL ORDER**

<b>Word</b>	<b>Meaning in English</b>	<b>Meaning in Hindi</b>
Asceticism	practicing strict self denial as a measure of personal and especially spiritual discipline	वैराग्य
Barren	incapable of growing or developing	बंजर
Concede	to accept as true, valid, or accurate	मान लेना, स्वीकार करना
Emulate	to equal or approach equality with	बराबरी करना
Fertile	capable of growing or developing	उपजाऊ
Heckle	to harass and try to disconcert with questions, challenges, or gibes	प्रश्नों से तंग करना
Inclusivity	to include people who might otherwise be excluded	समावेशिता
Incur	become subject to (something unwelcome or	अपने ऊपर लेना
Indifference	lack of interest, concern, or sympathy, unbiased	अपक्षपात
Lurk	to lie in wait in a place of concealment especially for an evil purpose	छुपा रहना (ईतजार में)
Manifest	easily understood or recognized by the mind	स्पष्ट करना
Miniscule	extremely small, tiny	छोटा अक्षर, बहुत कम
Mitigate	to make less severe or painful	अल्पीकरण करना, घटाना
Penetrate	to pass into or through	छेदना, घुसना
Personification	a divinity or imaginary being representing a thing or abstraction	मानवीयकरण
Renegade	a deserter from one faith, cause, or allegiance to another	भगोड़ा, स्वधर्म त्यागी
Veneration	respect or awe inspired by the dignity, wisdom, dedication, or talent of a person	उपासना, आदर

**SSC MOCK TEST - 135 (ANSWER KEY)**

- |         |         |         |          |
|---------|---------|---------|----------|
| 1. (C)  | 26. (D) | 52. (D) | 78. (A)  |
| 2. (A)  | 27. (C) | 53. (C) | 79. (B)  |
| 3. (B)  | 28. (C) | 54. (D) | 80. (C)  |
| 4. (D)  | 29. (C) | 55. (A) | 81. (B)  |
| 5. (B)  | 30. (D) | 56. (C) | 82. (C)  |
| 6. (A)  | 31. (C) | 57. (B) | 83. (A)  |
| 7. (B)  | 32. (D) | 58. (A) | 84. (D)  |
| 8. (A)  | 33. (A) | 59. (B) | 85. (D)  |
| 9. (A)  | 34. (D) | 60. (C) | 86. (D)  |
| 10. (C) | 35. (C) | 61. (B) | 87. (A)  |
| 11. (B) | 36. (C) | 62. (D) | 88. (D)  |
| 12. (A) | 37. (A) | 63. (B) | 89. (B)  |
| 13. (C) | 38. (D) | 64. (B) | 90. (A)  |
| 14. (A) | 39. (C) | 65. (B) | 91. (C)  |
| 15. (B) | 40. (A) | 66. (B) | 92. (B)  |
| 16. (B) | 41. (C) | 67. (B) | 93. (B)  |
| 17. (B) | 42. (D) | 68. (B) | 94. (D)  |
| 18. (A) | 43. (D) | 69. (C) | 95. (B)  |
| 19. (B) | 44. (B) | 70. (C) | 96. (B)  |
| 20. (D) | 45. (A) | 71. (C) | 97. (A)  |
| 21. (D) | 46. (B) | 72. (A) | 98. (D)  |
| 22. (A) | 47. (D) | 73. (D) | 99. (C)  |
| 23. (C) | 48. (A) | 74. (B) | 100. (B) |
| 24. (D) | 49. (A) | 75. (B) |          |
| 25. (D) | 50. (C) | 76. (C) |          |
|         | 51. (C) | 77. (A) |          |

76.(C) 'No sooner ..... than' is the correct correlative.

77.(A) 'Consist' does not come in 'ing' form.

80.(C) 'had' will come before 'met'. When both the events are of past and 2nd depends on the 1<sup>st</sup> action, Past perfect is used for the 1<sup>st</sup> action and Past indefinite for the 2<sup>nd</sup> action.

81. (B) 'either' will come after 'to'. 'accept' and 'deny' are joined by 'either' and 'or'.

92.(B) We need a noun here. So signigance is appropriate.

93.(B) 'Responsible for' 'Responsibility of'

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

**Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock Test.**

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