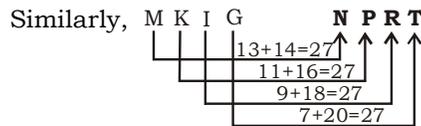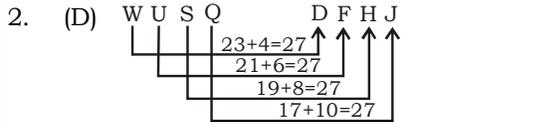## SSC MOCK TEST – 132 (SOLUTION)

1. (A) Current is related to Ocean. Similarly, **Stream** is related to River.

2. (D)

Similarly,

3. (A) $\frac{5}{3} \Rightarrow -\frac{1}{\frac{3}{5}}$

Similarly, $-\frac{17}{11} \Rightarrow \frac{-1}{\frac{11}{17}}$

4. (A) **Mother-in-law** is a female character.

5. (B) Except **XYZ**, others have vowels.

6. (A) **440 ⇒ (21)² – 1**
   $122 \Rightarrow (11)^2 + 1$
   $170 \Rightarrow (13)^2 + 1$
   $485 \Rightarrow (22)^2 + 1$

7. (B) Difference between both dates
   = 27 + 30 + 31 + 26 = 114
   = 16 weeks + 2 days
   Hence, Required days = Thursday + 2 days = **Saturday**

8. (A) **310 ≠ 50 + 60 + 70 + 120**

9. (B) **CREATE**

10. (A) ETHANOL → HWKDQRO
    +3

    Similarly, MIXER → **PLAHU**
    +3

11. (A) Shy Food Plate Recess **Monsoon**
    ↓   ↓   ↓   ↓   ↓
    3   4   5   6   7 = letters

12. (C) **IIIIIX**

13. (D) 49 64 **81** 100 121
    ↓   ↓   ↓   ↓   ↓
    7² 8² 9² 10² 11²

14. (D) 36 × 9 – 8 + 2
    Change the symbol, as per given details,
    36 ÷ 9 + 8 × 2 = **20**
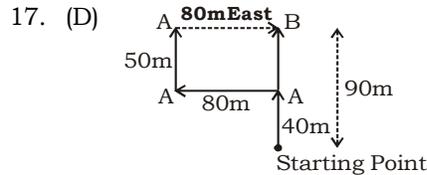
15. (C) 1 + 9 + 2 + 5 = 17
    1 + 5 + 2 + 5 = 13
    4 + 6 + 1 + 3 = **14**

16. (C) Option A 35 – 5 ≠ 7 × 12 + 13
    Option B 35 + 5 ≠ 7 × 12 – 13
    Option C **35 × 5 ÷ 7 – 12 = 13**
    Option D 35 – 5 + 7 ≠ 12 × 13

17. (D)

18. (C)

19. (B) $17^2 + 15 = 304$
    $7^2 + 8 = 57$
    $23^2 + 25 = \mathbf{554}$

20. (A)   21. (B)   22. (B)   23. (B)

24. (A)   25. (D)

26. (D) **Marina Beach** is a natural urban beach in the city of **Chennai**, India, along the **Bay of Bengal.** Spreading from the mouth of the **Cooum River** in the north to the Lighthouse in the south; the Marina Beach is a **13-kilometer** uninterrupted stretch of golden sands and foamy sea. Often regarded as the second longest beach in the world, this urban stretch in the coastal city of Chennai has a significant history that's as old as the city.

27. (C) Animals, such as mammals and birds maintain a constant body temperature regardless of the temperature of the surroundings. A list of warm-blooded pets would certainly include all animals and also birds, such as **apes, monkeys, whales, elephants, cheetahs, giraffes, pets, felines, pigs and humans.**

29. (A) Brine, **salt water**, is a highly concentrated water solution of common salt **(sodium chloride)**. The process of electrolysis involves using an electric current to bring about a chemical change and to make new chemicals. The electrolysis of **brine** is a large-scale process used to manufacture **chlorine from salt**.

30. (A) **Globally**, India has the largest deposits of **Monazite** (beach sand mineral

containing Lanthanum, Cerium, Praseodymium, Neodymium and Thorium). As in March 2015, the country had Monazite reserves of **11.93 million tonnes**. **Andhra Pradesh** has the highest Monazite reserves (3.72 Mt).

31. (C) The **Government of India Act, 1935** was originally passed in August 1935, and is said to be the longest Act (British) of Parliament ever enacted by that time. The most **significant aspects** of the Act were:
    - The grant of a large measure of autonomy to the provinces of British India (ending the system of diarchy introduced by the Government of India Act, 1919)
    - Provision for the establishment of a "Federation of India", to be made up of both British India and some or all of the "princely states".

32. (B) **Second schedule** lists the emoluments for holders of constitutional offices such as **salaries** of President, Vice President, Ministers, Judges and Comptroller and Auditor-General of India etc.

33. (B) **Mohenjo-daro** is situated on the bank of **Indus River** in Larkana District, Sindh, **Pakistan**, in a central position between the Indus River and the Ghaggar-Hakra River. Mohenjo-daro, Sindhi for **Mound of the Dead Men**; is an archaeological site in the province of Sindh, Pakistan.

34. (C) Vedas are the universal texts of Hindu religion. Vedas were not created in any one time. The scholars began the composition of the Vedas in 4500 B.C. It was slowly formed and finally the Vedas were compiled in three parts - **Rig Veda, Yajurveda and Samaveda,** which was called Vedratri.

35. (C) Rishabhanatha also **Zcabhadeva**, is the first **Tirthankara** (Teaching God) of the present half cycle of time in **Jainism**. The word Tirthankara signifies the founder of a **tirtha** which means a fordable passage across a sea.

He was born in the city of **Ayodhya,** where the Hindu god Rama was born.

36. (D) Phycology, also called **algology** which is the **study of algae**, a large heterogeneous group of chiefly aquatic plants ranging in size from microscopic forms to species as large as shrubs or trees.

38. (C) A **diopter** is the unit of measurement of the optical **Power of a lens** or a curved mirror. In terms of numerical value, it is equal to the reciprocal of the focal length of a lens of a curved mirror measured in meters. In other words, a diopter is the unit of reciprocal **length**.

40. (B) A **compound** is a substance formed when two or more chemical elements are chemically bonded together. In mixtures, the substances present are not chemically bonded together. These bonds form as a result of the sharing or exchange of electrons among the atoms. The smallest unbreakable unit of a **compound** is called a **molecule**.

41. (B) **Ferdinand Magellan** (1480–1521) was a Portuguese explorer who is credited with masterminding the first expedition to circumnavigate the world.

42. (C) The International Gandhi Peace Prize, named after Mahatma Gandhi, is awarded annually by the **Government of India**. The award carries ₹**1 Crore** (10 million) in cash, convertible in any currency in the world, a plaque and a citation. It is open to all persons regardless of nationality, race, creed or sex.

43. (C) Mixed economy, in economics is a market system of resource allocation, commerce, and trade in which free markets coexist with **government intervention.** A mixed economic system is an economic system that features characteristics of both **capitalism and socialism**.

44. (D) **Fourth Five Year Plan (1969-74):**
    - At this time Indira Gandhi was the Prime Minister. The **Indira Gandhi**

government the Green Revolution in India advanced agriculture.

- **14 major** Indian banks were nationalized.
- The target growth rate was **5.6%**, but the actual growth rate was **3.3%.**
- India conducted **nuclear test** in 1974.

47. (C) India's first '**Robocop**', capable of performing police duties, has been launched in **Hyderabad**. Developed by the city-based Artificial Intelligence and Machine Learning start-up H-Bots Robotics, this **5 ft 7** inch tall smart police robot, weighing **43 kg**, can receive complaints, record audio and video clips, identify suspects, detect metals and monitor temperature.

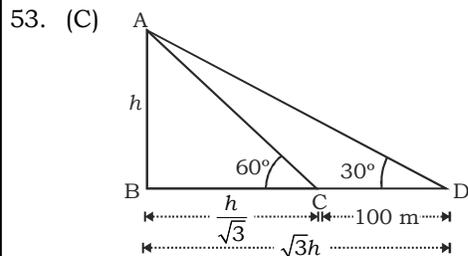51. (A) Speed in downstream = 6 + 2 = 8
and speed in upstream = 6 – 2 = 4

Then, $\dfrac{d}{8} + \dfrac{d}{4} = 1$

$\Rightarrow \quad 3d = 8$

$\Rightarrow \quad d = 2\dfrac{2}{3}$ kms

Hence, required distance = $2\dfrac{2}{3}$ **kms**

52. (C) Factor of 160 = 32 × 5
or, 160 = 40 × 4
these number lies between 30 and 45
Hence, required sum = 32 + 40 = **72**

53. (C)

$\sqrt{3}h - \dfrac{h}{\sqrt{3}} = 100$

$\Rightarrow \quad \dfrac{2h}{\sqrt{3}} = 100$

$\Rightarrow \quad h = 50\sqrt{3}$

Hence, height of tower = $50\sqrt{3}$ **m**

54. (C) Speed of the pain = $\dfrac{135}{45} \times \dfrac{18}{5}$
= **10.8 kmph**

55. (D) Let marks in Geography = x
Now ATQ,

$\dfrac{(x + x + 9)}{100} \times 56 = x + 9$

$\Rightarrow \quad x = 33$

Hence, marks in Geography = **33**

56. (B) Let the speed of express train = x

Then, $-\dfrac{720}{2x} + \dfrac{720}{x} = 6 + 2$

$\Rightarrow \quad \dfrac{720}{2x} = 8$

$\Rightarrow \quad x = 45$

Then, time taken by express train

$= \dfrac{720}{45} = 16$ hrs.

Hence, the speed of Duronto

$= \dfrac{720}{(16 - 6)} = $ **72 kmph**

57. (D) ATQ,

$d = a\sqrt{2}$

$\Rightarrow \quad 10 = a\sqrt{2}$

$\Rightarrow \quad a = 5\sqrt{2}$

Hence, length of its side = $5\sqrt{2}$ **cm**

58. (D) ATQ,

$\dfrac{9}{45} = \dfrac{45}{x}$

Hence, third proportion = **225**

59. (D) Average weight of boys

$= \dfrac{39 \times 48 - 26 \times 42}{39 - 26} = $ **60 kgs**

60. (D) As we know

$(x, y) = \left(\dfrac{m_1 x_2 + m_2 x_1}{m_1 + m_2}, \dfrac{m_1 y_2 + m_2 y_1}{m_1 + m_2} \right)$
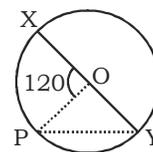
$\Rightarrow \left(\dfrac{24}{7}, 2 \right) = \left(\dfrac{7 \times 2 + 2 \times 5}{2 + 5}, \dfrac{6 \times 5 + 2 \times y}{2 + 5} \right)$

On comparison the value of y coordinate

$\Rightarrow \dfrac{30 + 2y}{7} = 2$

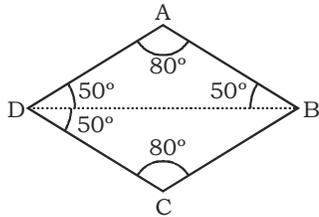$\Rightarrow y = $ **–8**

61. (D)

ATQ,

$\angle PYO = \dfrac{\angle XOP}{2}$

(Angle made by a chord on centre)

$= \dfrac{120^\circ}{2} = \mathbf{60^\circ}$

62. (A)

$\angle ADB = \angle ABD \quad (\because \ AB = AD)$

Then, $\angle DAB = 180^\circ - 50^\circ \times 2 = 80^\circ$

But, $\angle DAB = \angle DCB = 80^\circ$

Then, $\angle CDB = \angle CBD \quad (\because \ CD = BC)$

Then, $\angle CDB = \dfrac{100^\circ - 80^\circ}{2} = \mathbf{50^\circ}$

63. (D) $\tan A + \cot A = \tan A + \dfrac{1}{\tan A} = 2$

$\Rightarrow \quad \tan^2 A + 1 - 2 \tan A = 0$

$\Rightarrow \quad \tan A = 1 = \tan 45^\circ$

$\Rightarrow \quad A = 45^\circ$

then, $\sin 45^\circ + \cos 45^\circ = \dfrac{1}{\sqrt{2}} + \dfrac{1}{\sqrt{2}} = \boldsymbol{\sqrt{2}}$

64. (B) $\sin^3 A = 3 \sin A - 4 \sin^3 A$ and

$\cos^3 A = 4 \cos^3 A - 3 \cos A$

Then, $\sin^3 A + \cos^3 A$

$= 3 \sin A - 4 \sin^3 A + 4 \cos^3 A - 3 \cos A$

$= 3(\sin A - \cos A) - 4(\cos^3 A - \cos^3 A)$

$= (\sin A - \cos A)[3 - 4(\sin^2 A + \cos^2 A + \sin A \cos A)]$

$= (\sin A - \cos A) [-1 - 4 \sin A \cos A]$

$= \mathbf{(\sin A - \cos A)(-1 - 2 \sin 2 A)}$

65. (C) Let the number $= x$

Then, $x^3 - x^2 = 180$

$\Rightarrow \quad x^3 - x^2 - 180 = 0$

Put, $x = 6$

$6^3 - 36 - 180 = 0$

Hence, required number = **6**

66. (A) ATQ,

$ab = 9$

Factor of $9 = 9 \times 1$ or $9 = 3 \times 3$

Then the value of a and b

$\Rightarrow \quad a = 9$ and $b = 1$ or

$a = 3$ and $b = 3$

Case – I

$3a + 2b = 3 \times 9 + 2 \times 1 = 29$ or

Case – II

$3a + 2b = 3 \times 3 + 2 \times 3 = 15$

Hence, required number = **15**

67. (D) ATQ,

Price after 1st discount $= \dfrac{550}{100}(100 - 12)$

$= 484$

Then, required discount

$= \dfrac{(484 - 421.08)}{484} \times 100$

$= \mathbf{13\%}$

68. (B) Let pipes are A and B

Then,

Hence, required time $= \dfrac{60}{1 + 4} = \mathbf{12\ min.}$

69. (D) $\dfrac{8^\circ + 8^2}{5^1 + 8^1} = \dfrac{1 + 64}{5 + 8} = \mathbf{5}$

70. (D) Profit $= \dfrac{(20 - 13)}{13} \times 100 = \mathbf{53.85\%}$

71. (B) $\sin 45^\circ + \tan 45^\circ + \cot 60^\circ$

$= \dfrac{1}{\sqrt{2}} + 1 + \dfrac{1}{\sqrt{3}} = \dfrac{\boldsymbol{\sqrt{3} + \sqrt{6} + \sqrt{2}}}{\boldsymbol{\sqrt{6}}}$

72. (C) Fiction and Romance.

73. (D) Required number $= \dfrac{1360}{85} \times 6$

$= \mathbf{96}$

74. (C) Required number $= \dfrac{1360}{85} \times (11 - 3)$

$= \mathbf{128}$

75. (B) Required number $= \dfrac{1360}{34} \times 100$

$= \mathbf{4000}$

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Abdicate	to renounce	छोड़ देना, त्याग देना
Adjoin	Be next to and joined with (a building, room, or piece of land)	सटना, जुड़ा होना
Adulterate	Render (something) poorer in quality by adding another substance	मिलावट करना
Affix	Stick, attach, or fasten (something) to something else	जोड़ना
Attenuate	Reduce the force, effect, or value of	कम करना
Centralize	To bring to a center, consolidate	केन्द्रित करना
Conjoined	Join, combine	संयुक्त
Consolidate	Make (something) physically stronger or more solid	मजबूत बनाना
Consolidate	To join together into one whole	संगठित करना
Discontent	Dissatisfaction	असंतोष
Engrave	Cut or carve (a text or design) on the surface of a hard object	अंकित करना
Esteem	Respect and admiration	सम्मान
Imperious	Arrogant and domineering	दंभपूर्ण
Inscription	A thing inscribed, as on a monument or in a book	शिलालेख
Jaded	Bored or lacking enthusiasm, typically after having had too much of something	थका हुआ, मन भरा हुआ
Meld	Blend, combine	मिलकर एक हो जाना
Plot	A plan made in secret by a group of people to do something illegal or harmful	षड्यंत्र रचना
Repressive	(especially of a social or political system) inhibiting or restraining personal freedom	दमनकारी
Scam	A dishonest scheme, a fraud	घोटाला
Scrub	Rub (someone or something) hard so as to clean them, typically with a brush and water	घिसना
Sever	Divide by cutting or slicing, especially suddenly and forcibly	काटकर अलग करना
Skeptical	Not easily convinced, having doubts	शक्कीमिजाज
Stanza	A group of lines forming the basic recurring metrical unit in a poem, a verse	छंद
Underplay	Perform (something) in a restrained way	कम कर के आँकना
Vitiate	Spoil or impair the quality or efficiency of	दूषित करना

SSC MOCK TEST - 132 (ANSWER KEY)

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

76. **(B)** "To beat around the bush" is a phrase which means to circumlocute (घुमा–फिरा कर बात करना)

80. **(A)** Adjective (obvious) will come at the place of adverb 'obviously'. 'Be' and its forms are followed by an adjective.

81. **(B)** 'Scenery' is an uncountable noun, we cannot make it plural by adding 'ies' to it.

86. **(B)** Protest against something or someone.

87. **(C)** If all three pronouns come in a sentence, the order is **231**(i.e second person, third person, first person)

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