

SSC MOCK TEST - 122 (SOLUTION)

1. (D) As, Screw Driver is used for Screw. Similarly, **Hammer** is used for Nail.

2. (D) ACE YAC
 -2 ↑
 Similarly, HFD FDB
 -2 ↑

3. (B) $10^3 = 1000$
 Similarly, $17^3 = 4913$

4. (B) Except **Umpire**, all others are the players of Cricket.

5. (C) C E H I K N
 ↑ ↑ ↑ ↑ ↑ ↑
 +2 +3 +2 +3

O R U V X A
 ↑ ↑ ↑ ↑ ↑ ↑
 +3 +3 +2 +3

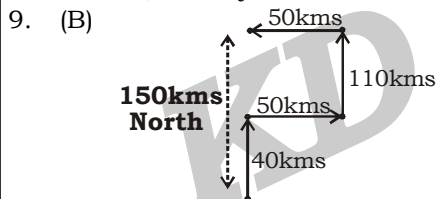
6. (B) Except **729**, all others are prime numbers

OR
729 is a cubic number

7. (C) Reciprocal → Repentant → Required → Requirement.

8. (A) Difference between both dates
 = $2 + 30 + 31 + 31 + 30 + 9$
 = 19 weeks

So, the day on 9th October is **Monday**



10. (C) **URINE**

11. (D) R M I F D E E
 ↑ ↑ ↑ ↑ ↑ ↑
 -5 -4 -3 -2 -1 -0

12. (B) -0.5 -0.35 -0.2 -0.05 -0.1 0.25
 ↑ ↑ ↑ ↑ ↑
 +0.15 +0.15 +0.15 +0.15 +0.15

13. (B) G M J O K P N R O S
 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
 +3 +2 +1 +1 +3 +2 +1 +1

14. (C) F L O T H Y Q U O L G S B J
 6+21=27 ↑ ↑ ↑ ↑ ↑ ↑
 12+15=27 ↑ ↑ ↑ ↑ ↑
 15+12=27 ↑ ↑ ↑ ↑ ↑
 20+7=27 ↑ ↑ ↑ ↑ ↑
 8+19=27 ↑ ↑ ↑ ↑ ↑
 25+2=27 ↑ ↑ ↑ ↑ ↑
 17+10=27 ↑ ↑ ↑ ↑ ↑

Similarly, L Y R O B I
 ↑ ↑ ↑ ↑ ↑ ↑
 12+15=27 ↑ ↑ ↑
 25+2=27 ↑ ↑ ↑
 18+9=27 ↑ ↑ ↑

15. (A) $234 \times 9 - 12 + 4$
 Changing the sign, as per given details,
 $234 \div 9 + 12 \times 4 = 26 + 48 = 74$

16. (A) $2 + 3 + 3 + 5 = 13$
 $3 + 5 = 8$

$4 + 1 + 3 = 8$

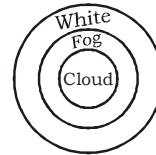
17. (C) $28 \times 27 = 756$

$17 \times 23 = 391$

$16 \times 21 = 336$

18. (D)

19. (A)



I True

II True

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

24. (C) 25. (C)

26. (A) The Ministry of Environment, Forest and Climate Change (MoEFCC) is an Indian government ministry. The ministry portfolio is currently held by **Dr. Harsh Vardhan**, Union Minister of Environment, Forest and Climate Change. Dr. Harsh Vardhan is the incumbent minister at Ministry of Science & Technology (India), Ministry of Environment, Forest and Climate Change and Ministry of Earth Sciences in the BJP-led NDA government of Prime Minister Narendra Modi.

- **JualOram** : Minister of Tribal Affairs
- **PrakashJavadekar** : Minister of Human Resource Development
- **ManekaGandhi**: Minister of Women and Child Development

27. (C) The slogan of SBI is '**Pure Banking, Nothing Else.**' The other slogans are 'With You All The Way', 'A Bank of Common Man' and 'The Nation Banks on us.' State Bank of India is an Indian multinational, public sector banking and financial services company. It is a government-owned corporation with its headquarters in Mumbai, Maharashtra. It is one of the Big Four banks of India, along with ICICI Bank, Bank of Baroda and Punjab National Bank.

28. (C) MSP is the rate at which the government buys the grain from farmers. **Minimum Support Price** is an important part of India's agricultural price policy. It helps to incentivize the framers and thus ensures adequate food grains production in the country.

- | | |
|--|--|
| <p>29. (D) The Prime Minister is appointed by the President. Union Council of Ministers is appointed by the President upon the advice of the Prime Minister.</p> <p>30. (C) The 42nd Amendment Act of 1976 transferred five subjects to Concurrent List from State List, that is, (a) education, (b) weights and measures, (c) forests, (d) administration of justice; constitution and organization of all courts except the Supreme Court and the High Courts, (e) protection of wild animals and birds.</p> <p>31. (B) Aihole in Karnataka state, India, is known as Cradle of Indian architecture. It was the first capital of Chalukyas where they built numerous temples dating back to the 6th century CE. Many inscriptions are found at Aihole, but the inscription which is found at Meguti Temple is popularly known as Aihole inscription, and has the significance in the history of India, for its many historical events of Chalukyas.</p> <p>32. (C) After the Mauryan rule Pushyamitra, the founder of the Sunga dynasty established his rule. The Sungas ruled for over a hundred years. The extent of the Sunga kingdom under Pushyamitra extended from Punjab and extended to the southern regions of the Narmada. The Sunga dynasty had a line of ten rulers. The last of the Sunga king was Devabhuti.</p> <p>33. (B) The largest continent by land area is Asia with 43,800,000 (km²) and represents 29% of the total land area on planet earth. The smallest continent by land area is Australia with 9,008,000 (km²) which represents just 6% of the total land area in the world.</p> <p>34. (D) Protoplasm is the living contents of a cell that is surrounded by a plasma membrane. It was used in 1839 by J. E. Purkinje for the material of the animal embryo.</p> <p>35. (C) Dermatology is the branch of medicine dealing with the skin, nails, hair and its diseases.</p> <ul style="list-style-type: none"> • Pteridology: The branch of botany dealing with ferns and related plants, as the horsetails and club mosses. • Sinology: The study of the language, literature, history, customs, etc., of China. | <ul style="list-style-type: none"> • Biophysics: The branch of biology that applies the methods of physics to the study of biological structures and processes. <p>36. (A) "Survival of the fittest" is a phrase that originated from Darwinian evolutionary theory as a way of describing the mechanism of natural selection.</p> <p>37. (C) Sleeping sickness is infection with germs carried by Tsetse fly. Tsetse flies are distinguished in part by a forward-projecting piercing proboscis on the head that is capable of puncturing skin. They readily feed on the blood of humans, domestic animals, and wild game.</p> <p>38. (C) Sound can propagate through a medium such as air, water and solids as longitudinal waves and also as a transverse wave in solids. The sound waves are generated by a sound source, such as the vibrating diaphragm of a stereo speaker.</p> <p>39. (B) The newton meter is a unit of torque in the SI system. One newton meter is equal to the torque resulting from a force of one newton applied perpendicularly to the end of a moment arm that is one meter long.</p> <p>40. (D) The PradhanMantri Gram SadakYojana (PMGSY) is a nationwide plan in India to provide good all-weather road connectivity to unconnected villages.</p> <p>42. (A) Dr. Ambedkar started Marathi fortnightly newspaper "Bahishkrit Bharat" (1927) to give voice to untouchables in the society and share their problems.</p> <p>43. (C) Guls and Kuls: In hilly regions, people built diversion channels known as guls or kuls of the western Himalayas for agriculture. It is a traditional irrigation system in Himachal Pradesh, where the water is released when required.</p> <ul style="list-style-type: none"> • Tanks: In Bikaner, Phalodi and Barmer, almost all houses have tanks for storing drinking water. Tanks are part of the well-developed roof top rain water harvesting system. • Khadins and Johads: In arid and semi-arid regions, some agricultural fields were converted into rain fed storage structures. These structures are found in Rajasthan. <p>45. (B) Rock Salt (also called Sendha Namak in Hindi) is naturally occurring mineral</p> |
|--|--|

Campus
K D Campus Pvt. Ltd

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

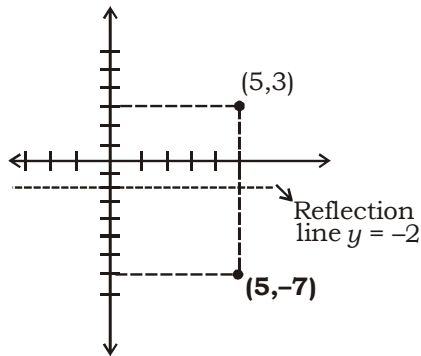
- form and isometric crystals of **Sodium Chloride**. Its colour can vary according to a variety of impurities present in it.
48. (B) The National Waterway 1 (NW-1) is a section of the **Ganga-Bhagirathi-Hooghly River** having a length of 1620 km between the Haldia (Sagar) and Allahabad. It was declared as National Waterway No. 1 on 27th October 1986.
50. (A) **Sunil Arora** assumed charge as the new Election Commissioner of India on 1st September 2017. A 1980 batch IAS officer of the Rajasthan cadre, Arora has worked in ministries and departments such as Finance, Textiles and Planning Commission. After Nasim Zaidi retired as chief election commissioner (CEC) in July, there was a vacancy in the Election Commission.
- **Suresh Chukkapalli** : Founder and Chairman, Phoenix Living Spaces Private Limited.
 - **Rajiv Mehrishi** : Chairman of United Nations Board of Auditors.
 - **Yogesh Chander Modi**: Director General of National Investigation Agency.
51. (B) ATQ,
 $124 = 4 \times 31$
 $465 = 3 \times 5 \times 31$
 So, LCM of (124 and 456) = $3 \times 4 \times 5 \times 31$
 = **1860**
52. (B) ATQ,

$$\begin{array}{ccc} A \rightarrow 15 & & 12 \\ B \rightarrow 12 & \rightarrow & 180 & \leftarrow & 15 \\ C \rightarrow 18 & & & & 10 \end{array}$$
 Hence, Required days
 $= \frac{180 - 2(12 + 15 + 10)}{10} = 10 \frac{3}{5}$ **days**
53. (C) ATQ,
 $4\pi \left(\frac{d}{2}\right)^2 = 98.56$
 $\Rightarrow d^2 = \frac{9856 \times 7}{100 \times 22} \Rightarrow d = 5.6$ **cm**
54. (D) ATQ,
 Total C.P = $2 \times 500 + 1000 \times 3$
 = 4000
 Total S.P = $2 \times \frac{500 \times 70}{100} + \frac{3 \times 1000 \times 55}{100}$
 = 700 + 1650 = 2350
 Hence, Effective discount
 $= \frac{(4000 - 2350)}{4000} \times 100 = 41.25\%$

55. (A) ATQ,
 $\frac{A}{B} = \frac{5}{11}$ and $\frac{C}{B} = \frac{9}{16}$
 then, $\frac{A}{B} \times \frac{B}{C} = \frac{5}{11} \times \frac{16}{9} = \frac{80}{99}$
 Hence, C : A = **99 : 80**
56. (B) ATQ,
 $n + n - 2 + n - 4 + n - 6 + n - 8 + n - 10 = 80 \times 6$
 $\Rightarrow n = 85$
 Hence, largest number = **85**
57. (C) ATQ,
 Required profit
 $= \frac{\left(657.57 - \frac{504 \times 100}{100 - 16}\right)}{\frac{504 \times 100}{100 - 16}} \times 100 = 9.595\%$
58. (B) ATQ,
 Required percentage = $\frac{(100 - 45)}{45} \times 100$
 = **122.22%**
59. (B) ATQ,
 $\frac{x+1}{14} = \frac{x}{12} \Rightarrow x = 6$ **kms**
60. (C) ATQ,
 Required rate = $15 + 10 + \frac{15 \times 10}{100}$
 = **26.5%**
 Then, Required principal
 $= \frac{21505}{(100 + 26.5)} \times 100 = \text{₹}17000$
61. (D) ATQ,
 $\frac{10x}{3} + \frac{5}{2} \left(2 - \frac{x}{3}\right) = \frac{7}{2}$
 $\Rightarrow \frac{20x}{6} + \frac{30 - 5x}{6} = \frac{7}{2}$
 $\Rightarrow x = -\frac{3}{5}$
62. (A) ATQ,
 $a^3 - b^3 = (a - b)(a^2 + b^2 + ab)$
 $= 2((a - b)^2 + 3ab)$
 $= 2(4 + 3 \times 80)$
 = **488**
63. (C) ATQ,
 $x + \frac{5}{x} = \frac{14}{3}$
 $\Rightarrow 3x^2 + 15 = 14x$
 $\Rightarrow (3x - 5)(x - 3) = 0$
 $\Rightarrow x = \frac{5}{3}$ or 3
 but according to options, $\frac{5}{3}$ is correct.

64. (A) ATQ,
 $a + 2d - a - 9d = -14 - 7$
 $\Rightarrow -7d = -21$
 $\Rightarrow d = 3$ and
 $a = -14 - 6 = -20$
 Hence $T_{29} = -20 + 3 \times 28 = \mathbf{64}$

65. (D)



Hence, Required points are **(5,-7)**

66. (A) ATQ,
 $37^2 = (4 - k)^2 + (8 - (-4))^2$
 $\Rightarrow 1369 = 16 + k^2 - 8k + 144$
 $\Rightarrow k^2 - 8k - 1209 = 0$
 $\Rightarrow (k - 39)(k + 31) = 0$
 $\Rightarrow k = \mathbf{39, -31}$

67. (B) ATQ,

Slope of line $(2x + 3y = -6) = -\frac{2}{3}$
 for perpendicular $m_1 \times m_2 = -1$

$$\Rightarrow -\frac{2}{3} \times m_2 = -1$$

$$\Rightarrow m_2 = \frac{3}{2}$$

(m_2 is the slope of perpendicular line)

$$\text{then, } y = \frac{3x}{2} + c$$

$$\Rightarrow 3x - 2y = -c$$

$$\Rightarrow -\frac{3x}{c} + \frac{2}{c}y = 1$$

$$\Rightarrow \frac{-x}{\frac{c}{3}} + \frac{y}{\frac{c}{2}} = 1$$

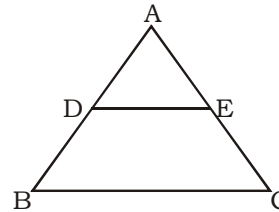
but y intercept is 3

$$\text{then } \frac{c}{2} = 3$$

$$\Rightarrow c = 6$$

Hence, Required line = $\mathbf{3x - 2y = -6}$

68. (B) ATQ,



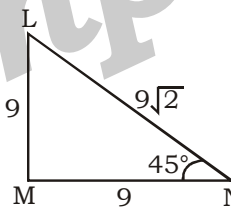
$$\text{area of } \Delta ABC = \frac{(5)^2}{(2)^2} \times 4 = 25 \text{ cm}^2$$

Hence, required area = $25 - 4 = \mathbf{21 \text{ cm}^2}$

69. (C) ATQ,

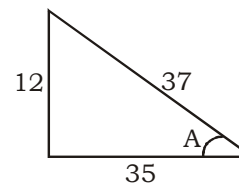
$$\sin 30^\circ - \operatorname{cosec} 45^\circ = \frac{1}{2} - \sqrt{2} = \frac{\mathbf{1 - 2\sqrt{2}}}{2}$$

70. (A) ATQ,



$$MN = 9\sqrt{2} \cos 45^\circ = 9\sqrt{2} \times \frac{1}{\sqrt{2}} = \mathbf{9 \text{ cm}}$$

71. (A) ATQ,



$$\cos A = \frac{35}{37}$$

$$\text{then, } \cot A + \tan A = \frac{35}{12} + \frac{12}{35} = \frac{\mathbf{1369}}{\mathbf{420}}$$

72. (A) **E**

73. (A) No of employee in department F after addition = 8

This number is lies between 6 and 10

So **B and C** is correct.

74. (D) **B**

75. (B) Total expenditure = $8000 \times 64 = \mathbf{5.12 \text{ lakh}}$

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Cache	Hidden place	गुप्त स्थान
Credible	Worthy of belief	विश्वसनीय
Creditable	That deserves credit/honour	प्रशंसा योग्य
Dearth	Scarcity, lack	कमी, दुर्लभता
Dexterity	Skillful & cleverness	निपुणता
Emulate	To imitate with effort to equal or surpass	अनुकरण करना
Gash	A long deep wound/cut	गहरा घाव
Generosity	Readiness in giving altruistic largess	उदारता
Haphazard	Characterized by lack of order/planning	अव्यवस्थित
Inept	Without skill or aptitude	अयोग्य
Malevolence	Wishing ill or harm to others	द्वेष
Mishmash	A confused mess	उलझन
Pedestal	A supporting structure or base	सहारा, आधार
Potpourri	Any mixture, especially of unrelated objects	मिश्रित
Prowess	Exceptional valour, bravery especially in battle	कौशल
Rip	To cut or tear apart in a rough or vigorous manner	फाड़ना
Stash	Something put away secretly	छुपा कर रखना

SSC MOCK TEST - 122 (ANSWER KEY)

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

76. (A) Replace article 'a' with 'the' because here the rate of which we are talking about is definite.
77. (B) Change 'Eclair' into 'Eclairs'.
82. (A) To die of some disease (cancer).
To die from some indirect cause (illness, wound etc.)
83. (B) 'Nip in the bud' is an idiomatic phrase which means 'to stop something at an early stage'.

Mock 121 Correction

15. Read - $642 \times 6 \div 25 + 4 = ?$

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