

SSC MOCK TEST – 194 (SOLUTION)

1. (B) As, Pedology is the study of soil. Similarly, Helminthology is the study of worms.

2. (B) As, BDFH → KMOQ (+9)
Similarly,
RTVX → ACEG (+9)

3. (A) As, B J
↓ ↓
 $2 \times 10 \times 2 = 40$

Similarly, J K
↓ ↓
 $10 \times 11 \times 2 = 220$

4. (D) Except 'UXE' others have one vowel.

5. (C) Except 'Carrot', others are good sources of Vitamin C.

6. (C) Except "11 - 111", In others, latter is the multiple of former.

7. (D) **51234**

8. (B) ab**b**cc**b**ab**b**cc**b**

9. (C) ATQ.,

Age of Mohit's Son = $25 \times 3 - 48$
= $75 - 48 = 27$ years

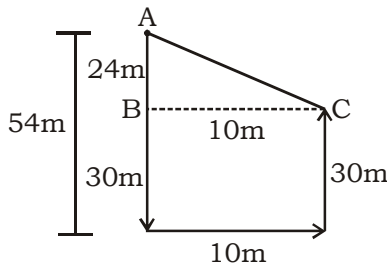
10. (A) **CLIMATE**

11. (C) MRW, OTY, QVA, SXC, UZE
+2 +2 +2 +2

12. (B) 44, 36.5, 30.5, 26, 23, 21.5
-7.5 -6 -4.5 -3 -1.5

13. (A) D, H, K, O, R, V
+4 +3 +4 +3 +4

14. (B)



From pythagorean Triples, AC = 26m.

∴ Required distance = **26m**

15. (B) As, FROG → T L I U
Reverse Reverse Reverse Reverse

Similarly,

F I S H → S H R U
Reverse Reverse Reverse Reverse

16. (B) $21 - 4 + 12 \div 22 \times 18$

After changing the signs as per the given details,

$21 \times 4 \div 12 + 22 - 18 = 11$

17. (B)

18. (B)

19. (B)

I. False II. True

Hence, **Only conclusion II follows**

20. (C)

21. (B) $19 + 13 = 32$

$14 + 5 = 19$

$23 + 28 = 51$

22. (B) As, $(6 \times 7 \times 3) - 1 = 125$

$(3 \times 8 \times 3) - 1 = 71$

Similarly, $(5 \times 8 \times 7) - 1 = 279$

23. (B)

24. (D)

25. (C) **P A R T**
32, 23, 67, 89

26. (D) Queen Naikidevi was from Chalukya clan and ruled over Gujrat.

Muhammad Ghori is also known as Muhammad of Ghor. He was a Sultan of Ghurid Empire.

Battle of Tarain (1191) and (1192) were fought between Muhammad Ghori and Prithviraj Chauhan. Muhammad bin Tughlaq issued the token money. Hai issued Copper coins and kept their value at par with the gold and silver.

27. (D) On 1st May, 2016 Pradhan Mantri Ujjwala Yojana was launched from Ballia in Uttar Pradesh, which provide LPG connections to BPL household. Digi Dhan Vyapar Yojana was started by NITI Aayog, under which digital payment makers are eligible to earn prizes on weekly basis through lottery. The price money under the first, second and third prize are ₹50 lakhs, ₹25 lakhs and 5 lakhs respectively. Pradhan Mantri Kaushal Vikas Yojana enables a large number of Indians Youth to take up industry relevant skill training.
28. (B) **Leader** **Constituency**
 Virendra Kashyap Shimla
 Anurag Thakur Hamipur
 Rao Inderjeet Singh Gurugram
 Rajesh Chudasama Junagadh Gir Somnath
29. (D) **State** **Festival**
 Mizoram Chapchar Kut
 Assam Bihu
 Meghalaya Wangala
30. (C) EXIM Bank established in 1982 under Export-Import Bank of India Act, 1981. Its Headquarters is at Mumbai. Its CEO is David Rasquinha. Subsidiaries- London Branch, Asset Management Arm and Export-Import Bank.
31. (C) Article 21 states that 'No person shall be deprived of his life or personal liberty except according to procedure established by law. Article 201 – Bills reserved for Consideration Article 72 – Power fo President to grant pardons and to suspend, remit or commute sentences in certain cases.
32. (B) Bangladesh and India share a 4096 km long International boundary (Fifth largest). Indian states sharing boundary with Bangladesh are- West Bengal (2217 km), Assam (262 km), Tripura (856 km), Mizoram (180 km) and Meghalaya (443 km).
33. (A) The treaty that established the boundary line of Nepal, was signed on 2 December, 1815 and ratified by 4 March, 1816.
35. (D) William Poley is known for his natural theology exposition of the teleological argument for the existence of God in his work Natural Theory of Evidences of the Exercise and Attributes of the Deity. Charles Darwin is known for his contributions to the science of evolution. Since 2008, a statue of Charles Darwin occupies the place of honour at London's Natural History Museum. Carl Woese is famous for defining the Archaea in 1977. He was also the originator of the RNA world hypothesis in 1967.
36. (B) Lengpui is Domestic Airport in Aizawl, Mizoram. Pakyong first greenfield Airport is one of the five highest airports in India. It is the 100th operational airport in India. It was inaugurated by PM Narendra Modi on 24 september, 2018. Bagdogra International Airport (Assam)– It is operated as a civil enclave at AFs Bagdogra of the Indian Air Force. Para International Airport is in Bhutan.
38. (B) Wild Ass Sanctuary - Rann of Kutch
 Pakhal Sanctuary - Telangana
 Dachigam National Park - Jammu and Kashmir
39. (D) Some other Tributaries of Indus River - Chenab, Sutlej, Jhelum, Ravi, Kabul, Beas, Gilgit, Panjnad, Gomal, Soan, Suru Kurram, Swat, Hunza, Kunar and Zhob. Lohit is tributary of Brahmaputra River.
41. (D)

Molecular Mass	
Sulfuric Acid-	98.07 g/mol
Nitric Acid -	63.01 g/mol
Sodium Carbonate	105.988 g/mol
Sulfur dioxide -	64.066 g/mol
42. (A) **Fruit** **Botanical name**
 Watermelon - Pepo
 Orange - Citrus
 Grapes - Berry
43. (C) **Bird** **Scientific name**
 Parrot - Psittaciformes
 Lark - Eremophila Alpestris
 Pigeon - Columba livia domestica
46. (B) The First Asia cup was held in 1984 in Sharjah. Indian boycotted the 1986 tournament due to strained cricket relation which Sri Lanka. India 7 times, in 1984, 1988, 1990/1991, 1995, 2010, 2016 and 2018 and Sri Lanka 5 times won the title. India played 13 Asia cup. Sri Lanka (14) Pakistan (13).

51. (B) Let actual sum = ₹ x

$$\therefore 22.22\% = \frac{2}{9}$$

$$\therefore \text{Remaining amount} = \frac{7}{9}$$

$$\therefore 37.5\% = \frac{3}{8}$$

$$\therefore \text{Remaining amount} = \frac{5}{8}$$

ATQ,

$$x \times \frac{7}{9} \times \frac{5}{8} = 280$$

$$\Rightarrow x = ₹ 576$$

$$\text{Now, } 75\% \text{ of } x = \frac{75}{100} \times 576 = ₹ 432$$

52. (C) Let the number be x .

$$\text{Hence, } x \times 8 \times 9 \times 10 \times 11 \times 12 \times 13 = x \times 2^6 \times 3^2 \times 3 \times 5 \times 11 \times 13$$

Here, we can say that, for being a perfect square,

$$x \text{ should be } 3 \times 5 \times 11 \times 13 = \mathbf{2145}$$

53. (D) Outer dimensions will be as follows:

$$\text{Length } (l) = 46 + 4 = 50 \text{ cm}$$

$$\text{Breadth } (b) = 36 + 4 = 40 \text{ cm}$$

$$\text{Height } (h) = 18 + 2 = 20 \text{ cm}$$

So, area of outer surface

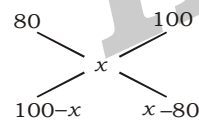
$$= l \times b + 2 \times b \times h + 2 \times h \times l$$

$$= 2000 + 1600 + 2000$$

$$= 5600 \text{ cm}^2 = 0.56 \text{ m}^2$$

$$\text{So, the cost of painting} = 0.56 \times 10 = ₹ \mathbf{5.6}$$

54. (A) Let the cost price of mixed variety = x



$$\frac{100 - x}{x - 80} = \frac{7}{3}$$

$$\Rightarrow 7x - 560 = 300 - 3x$$

$$\Rightarrow 10x = 860$$

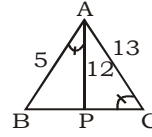
$$\Rightarrow x = 86$$

$$\text{C.P of mixed variety} = 86$$

$$\text{S.P of mixed variety} = 111.8$$

$$\therefore \text{Profit \%} = \frac{25.8}{86} \times 100 = \mathbf{30}$$

55. (A)



In $\triangle APB$ and $\triangle CAB$,

$$\angle BAP = \angle ACB \text{ (given)}$$

$$\angle B = \angle B \text{ (Common)}$$

$$\therefore \triangle APB \sim \triangle CAB$$

$$\therefore \frac{PB}{AB} = \frac{AP}{AC} \Rightarrow \frac{PB}{5} = \frac{12}{13}$$

$$\Rightarrow PB = \frac{60}{13} = \mathbf{4.6 \text{ cm}}$$

56. (C) Area of $\triangle ABC = \frac{1}{2} \times BC \times AD$

$$= \frac{1}{2} AC \times BE = \frac{1}{2} AB \times CF$$

$$\therefore AB : BC : AC = \frac{1}{CF} : \frac{1}{AD} : \frac{1}{BE}$$

$$= \frac{1}{3} : \frac{1}{1} : \frac{1}{2} = \mathbf{2 : 6 : 3}$$

57. (B) S.I. for 1 year = $212.50 \times \frac{4}{100} \times 1$

$$= ₹ \frac{17}{2}$$

Thus in **2** years, the interest will be ₹ 17 (in exact no. of rupees).

58. (A) $x + 3 \leq 4x + 4$

$$\Rightarrow -1 \leq 3x$$

$$\Rightarrow -\frac{1}{3} \leq x \quad \dots(i)$$

$$\text{and, } 3(4 - x) - 4 \geq 2x - 2$$

$$\Rightarrow 12 - 3x - 4 \geq 2x - 2$$

$$\Rightarrow 5x \leq 10$$

$$\Rightarrow x < 2 \quad \dots(ii)$$

From equation (i) and equation (ii), we have

$$x = 1$$

59. (C) $\frac{1}{\sec A + \tan A}$

$$= \frac{1}{\sec A + \tan A} \times \frac{\sec A - \tan A}{\sec A - \tan A}$$

$$= \frac{\sec A - \tan A}{\sec^2 A - \tan^2 A}$$

$$= \sec A - \tan A = \frac{1 - \sin A}{\cos A}$$

60. (D) $2x + \frac{72}{x} = 26$

$\Rightarrow 2 \left(x + \frac{36}{x} \right) = 26$

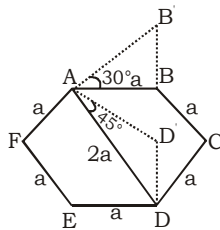
$\Rightarrow x + \frac{36}{x} = 13$

put $x = 9$

L.H.S = R.H.S

$\therefore x^2 + \frac{1377}{x^2} = 81 + \frac{1377}{81} = 81 + 17$
 $= 98$

61. (B)



Let Hexagon ABCDEF be of side 'a'.
then $AD = 2a$

Let the towers be $B'B$ and $D'D$ respectively.

Given,

$\angle B'AB = 30^\circ$ and $\angle D'AD = 45^\circ$

In $\triangle B'AB$,

$\tan \angle B'AB = \tan 30^\circ = \frac{B'B}{AB} = \frac{1}{\sqrt{3}}$

$\Rightarrow B'B = \frac{a}{\sqrt{3}}$

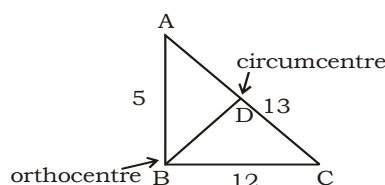
In $\triangle D'AD$,

$\tan \angle D'AD = \tan 45^\circ = \frac{D'D}{AD} = 1$

$\Rightarrow D'D = 2a$

\therefore Required ratio of height = $\frac{a}{\sqrt{3}} : 2a$ or $1 : 2\sqrt{3}$

62. (A)



5, 12, 13 is pythagorean Triplet.

So, it is a right angled Triangle.

We have to find BD

$BD = \frac{13}{2} = 6.5\text{cm}$

63. (D) Let required days are x .

Then, using $M_1 H_1 D_1 = M_2 H_2 D_2$

$\Rightarrow 11 \times 7 \times 15 = 6 \times 11 \times x$

$\Rightarrow x = \frac{35}{2} \text{ days}$

64. (D) $(13)^{55} \times (13)^{-51} \div (13)^2$

$= (13)^{55} \times (13)^{-53}$

$= 13^2 = 169$

65. (A) Let the original speed of car be x km/hr.

ATQ,

$\frac{720}{x-180} - \frac{720}{x} = 2$

$\Rightarrow \frac{x-x+180}{x(x-180)} = \frac{2}{720}$

$\Rightarrow x(x-180) = 360 \times 180$

$\Rightarrow x = 360 \text{ km/hr}$

\therefore Required time Period = $\frac{720}{360} = 2 \text{ hrs}$

66. (B) In 15 minutes, water level = $1\text{km} = 1000\text{m}$

Volume of water entering = $6 \times 4 \times 1000\text{m}^3$

$= 24000 \text{ m}^3 = 24000 \text{ kilolitre}$

$[\because 1\text{m}^3 = 1\text{KL}]$

67. (A) Speed of boat in still water = $\frac{x+y}{2}$

$x =$ downstream

$y =$ upstream

\therefore Boat Speed = $\frac{28+22}{2} = 25\text{km/hr}$

68. (B) $5^{1+\frac{1}{2}+\frac{1}{4}+\frac{1}{8}+\frac{1}{16}+\frac{1}{32}+\dots+\infty}$

Power is the sum of G.P

$a = 1$

$r = \frac{1}{2}$

$\therefore S_\infty = \frac{a}{1-r} = \frac{1}{1-\frac{1}{2}} = 2$

So, $(5)^2 = 25$

69. (B) ATQ,

$$\frac{7}{6} = 1.16$$

$$\frac{17}{12} = 1.416$$

$$\frac{20}{17} = 1.176$$

$$\frac{11}{9} = 1.222$$

∴ $\frac{17}{12}$ is the greatest among all.

70. (C) ATQ,

$$4\% = 17$$

$$\therefore 80\% = \frac{17}{4} \times 80 = ₹340$$

$$\therefore \text{Required Selling Price} = ₹340$$

71. (D) Let the required numbers = $8x$ and $8y$.

$$\text{then, LCM} = 8xy$$

$$\text{ATQ,}$$

$$8xy = 96$$

$$\Rightarrow xy = 12 = 3 \times 4$$

$$\text{Now, Required Numbers} = 8 \times 3 \text{ and } 8 \times 4.$$

$$\text{and, Required Sum} = 24 + 32 = 56$$

72. (B) Mr. X and Mouni

$$73. (D) \text{ Required Number} = \frac{1360}{85} \times 11 = \mathbf{176}$$

74. (C) Required Number

$$= \frac{1360}{85} \times (25 - 3) = \mathbf{352}$$

75. (B) Total number of voters

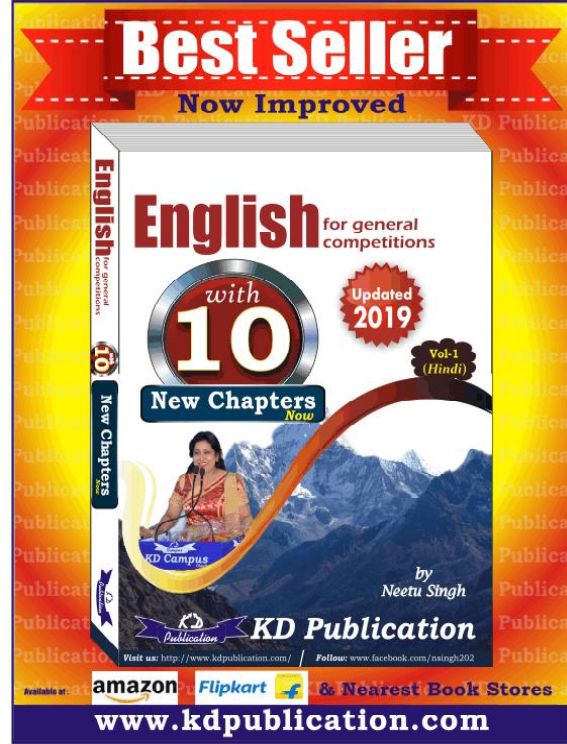
$$= \frac{1360}{68} \times 100 = \mathbf{2000}$$

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Palliate	to moderate the intensity of	कम करना
Exacerbate	to make a bad situation worse	खराब करना
Debonair	gracefully charming	हँसमुख
Elegant	simple and clever	शिष्ट
Clumsy	badly or awkwardly made or done	बेढंग
Evince	to show (something) clearly	प्रदर्शित करना
Erudite	having or showing knowledge that is learned by studying	विद्वान
Charlatan	a person who falsely pretends to know or be something	कपटी व्यक्ति
Comply	to do what you have been asked or ordered to do	अनुपालन करना
Discrete	separate and different from each other	विभिन्न
Incarcerate	to put in prison	कैद करना
Confine	to keep within limits	सीमित रखना
Assiduous	showing great care, attention, and effort	परिश्रमी
Venial	not serious	मामूली गलती
Commemorate	to exist or be done in order to remind people of (an important event or person from the past)	किसी उत्सव द्वारा स्मरण करना
Complaisant	marked by an inclination to please or oblige	विनयपूर्ण
Conciliatory	intended to make someone less angry	मैत्रीपूर्ण
Detrimental	causing damage or injury	क्षतिकारक
Delirious	very excited	उन्मादी
Sneer	to smile or laugh while making a face that shows disrespect	हंसी उड़ाना

SSC MOCK TEST - 194 (ANSWER KEY)

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



76. (B) Change 'lay' into 'lie'.

Lie Lied Lied → झूठ बोलना

Lie Lay Lain → लेटना

Lay Laid Laid →
 क्षैतिज रखना (to keep horizontally)
 न्यौछावर करना
 Hens lay eggs

77. (C) Remove 'again'. Use of 'repeated' and 'again' together, will make the sentence superfluous.

78. (A) Change 'ban' into 'has banned'. The subject Securities And Exchange Board

of India (SEBI) is singular hence singular verb will be used and the action is already over.

89. (B) 'By getting' is the correct option.

Preposition is followed by V₁ + ing form.

92. (C) 'Contemptuous' is the incorrectly spelt word. 'Contemtuuous' is the correct word.

Contemtuuous – feeling or showing deep hatred or disapproval (घृणित)

93. (C) 'Delineate' is the incorrectly spelt word. Delineate is the correct word.

Delineate means to clearly show or describe (Something) (चित्रण करना)

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