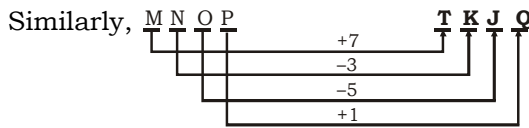
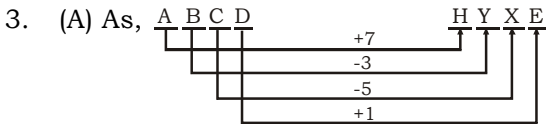


SSC MOCK TEST – 202 (SOLUTION)

1. (C) Car is found in the Garage and Curio is found in the **museum**.

2. (A) As, $\sqrt{64} = 8$

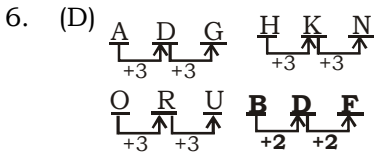
Similarly, $d\sqrt{0.01} = 0.1$



4. (D) Except **Roorkee**, others are capitals of states of India.

5. (D) $242 \Rightarrow 2 + 4 + 2 = 8$
 $431 \Rightarrow 4 + 3 + 1 = 8$
 $260 \Rightarrow 2 + 6 + 0 = 8$

$531 \Rightarrow 5 + 3 + 1 \neq 8$

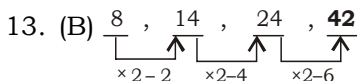
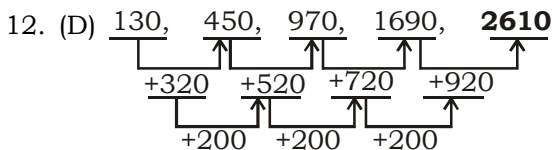
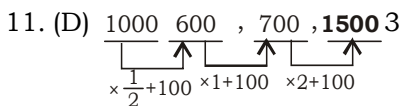
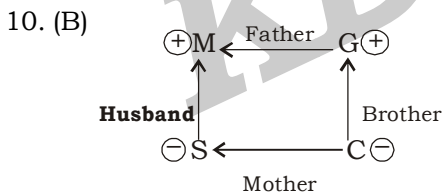


7. (C) **12345**

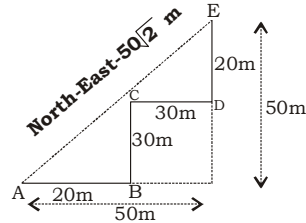
8. (D) **mnopmno**

9. (B) ATQ,

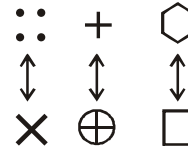
Required average age = $\frac{44 - 8}{2} = 18$ years

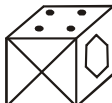


14. (C)

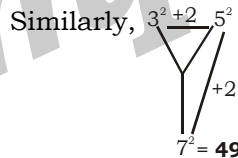
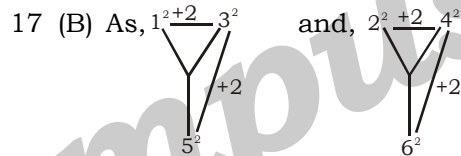


15. (D) From figure,

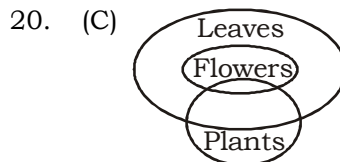
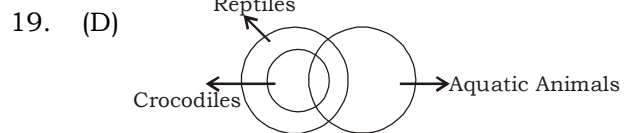


So, figure  can't be made by the question figure.

16. (D) $5 \times 4 + (5 + 4) = 29$
 $6 \times 7 + (6 + 7) = 55$
 $9 \times 8 + (9 + 8) = 89$



18. (C) $(86 - 38) \times 5 = 240$
 $(72 - 21) \times 5 = 255$
 $(36 - 12) \times 5 = 120$



I.
 II.
 Hence, **Both I and II follow.**

21. (C)

22. (A)

23. (B)

24. (C)

25. (B)

W H A L E
34, 67, 24, 04, 55

27. (C) The New Caledonian barrier reef is the world's largest coastal lagoon in world. Chilka Lake has been listed as UNESCO World Heritage site. It was designated the first Indian wetland of international importance under the Ramsar Convention in 1981.

28. (B) **Island** **Strait**
 Malaysia and Sumatra Malacca
 Java & Bali Bali
 Belithing and Bango Gaspar

29. (A) Land breeze occurs during night when breeze (cold winds) blows towards sea from land.

30. (C) Rajya Sabha has limited power with respect to Money Bills. A Money Bill after having been passed by the Lok Sabha is sent to Rajya Sabha for its recommendation, has to be returned to Lok Sabha within a period of 14 days from the date of its receipt with or without recommendations. Now it is upto Lok Sabha either to accept the recommendations or reject all recommendation and if LS passes the bill either by accepting or rejecting the recommendations, the bill is deemed to have been passed by both houses. If Rajya Sabha doesn't return the bill within 14 days from the date of its receipt the bill is deemed to have been passed by both houses.

34. (D) Montek Singh Ahluwalia was the last Deputy Chairman of Finance Commission. After 2014 it is called as NITI Ayog. Vice Chairman of NITI Ayog is Rajiv Kumar and CEO is Nitin Gadakari.

35. (C) State	No. of smart cities
Gujrat	7
Tamil Nadu	12
Uttar Pradesh	13
Kerala	2

43. (B) RBCs contain Haemoglobin which supplies oxygen to different parts of body. Haemoglobin consists of amino acids and iron due to which it is red in colour. Deficiency of haemoglobin causes Anaemia.

47. (A) The first Lok Adalat was held in Gujarat in 1982. First time held in Chennai in 1986.

48. (C) Name of Trophy	Associated Sport
Santosh Trophy	Football

Nehru Trophy	Hockey
Burdwan Trophy	Weightlifting
49. (A) Country	Rank
France	2
India	101
Japan	23

50. (A) 13 Mega food parks are operational now. Last one was inaugurated at Tripura namely Sikaria Mega Food Park, Tripura.

51. (A) ATQ,

Required Speed

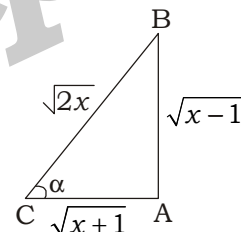
$$= \frac{\text{Difference between the time of shots (in sec)}}{\text{Time of 2nd shot (in minute)}} \times \frac{60}{1000}$$

$$= \frac{320 \times 100}{40} \times \frac{60}{1000} = \mathbf{144 \text{ kmph}}$$

52. (B) ATQ,

$$\begin{aligned} \text{Required C.P.} &= 1600 \times \frac{100}{128} \times \frac{100}{500} \times \frac{100}{120} - 110 \\ &= \mathbf{\text{₹}1140} \end{aligned}$$

53. (A) ATQ,



$$\sin \alpha = \frac{\sqrt{x-1}}{\sqrt{2x}}$$

then, triplet will be

$$(\sqrt{2x}, \sqrt{x-1}, \sqrt{x+1})$$

$$\text{Hence, } \tan \alpha = \frac{\sqrt{x-1}}{\sqrt{x+1}}$$

54. (A) ATQ,

$$\frac{x^2 - x + 1}{x^2 + x + 1} = \frac{4}{5}$$

$$\Rightarrow 5x^2 - 5x + 5 = 4x^2 + 4x + 4$$

$$\Rightarrow x^2 + 1 = 9x$$

$$\text{Hence, } x + \frac{1}{x} = \mathbf{9}$$

55. (D) A : B
 5 × 8 : 6 × x
 Profit 5 : 9
 then,

$$\frac{5 \times 8}{6 \times x} = \frac{5}{9}$$

$$\Rightarrow x = 12$$

Hence, Required Time = **12 months**

56. (D) ATQ,

$$x \times \frac{1}{4} \times \frac{3}{7} \times \frac{2}{5} = 30$$

$$\Rightarrow x = 700$$

Then,

$$\text{Required number} = \frac{700 \times 17}{100} = \mathbf{119}$$

57. (A) ATQ,

$$3a = 4b = 6c$$

$$a : b : c$$

$$4 : 3 : 2$$

$$a + b + c = 27\sqrt{29} \text{ (Given)}$$

$$\Rightarrow 4x + 3x + 2x = 27\sqrt{29}$$

$$\Rightarrow x = 3\sqrt{29}$$

$$\text{Now, } \sqrt{a^2 + b^2 + c^2}$$

$$= \sqrt{16x^2 + 9x^2 + 4x^2} = \sqrt{29(3\sqrt{29})^2}$$

$$= \mathbf{87}$$

58. (C) ATQ,

$$y^4 - x^2 y^2 + 1 + x^4 - x^2 y^2 - 1 = x^4 - 2x^2 y^2 + y^4$$

$$= (x^2 - y^2)^2 = [(x + y)(x - y)]^2$$

$$= \left[(2\sqrt{a}) \left(\frac{2}{\sqrt{a}} \right) \right]^2 = (2 \times 2)^2 = \mathbf{16}$$

59. (A) ATQ,

$$\frac{\text{C.S.A}}{\text{T.S.A}} = \frac{x}{2112} = \frac{125}{300}$$

$$\Rightarrow x = 880 \text{ m}^2$$

$$\text{T.S.A} = \text{C.S.A} + 2\pi r^2$$

$$\Rightarrow 2\pi r^2 = 1232$$

$$\Rightarrow r = 14 \text{ m}$$

and

$$h = 10 \text{ m}$$

Then,

$$\text{Required volume} = \frac{22}{7} \times 14 \times 14 \times 10 = \mathbf{6160 \text{ m}^3}$$

60. (A) ATQ,

$$\text{Ist discount} = 20 + 10 - \frac{10 \times 20}{100}$$

$$= 28$$

$$\text{2nd Discount} = 15 + 15 - \frac{15 \times 15}{100}$$

$$= 27.75$$

Difference between S.P.

$$= \frac{(28 - 27.75)}{100} \times 1000 = \mathbf{₹2.5}$$

61. (B) ATQ,

$$\frac{n(n-3)}{2} = n$$

$$\Rightarrow n = 5$$

Hence, Required polygon = **Pentagon**

62. (C) ATQ,

$$x \cos \theta - \sin \theta = 1$$

$$\Rightarrow x^2 = \frac{(1 + \sin \theta)^2}{\cos^2 \theta} = \frac{(1 + \sin \theta)^2}{1 - \sin^2 \theta} = \frac{1 + \sin \theta}{1 - \sin \theta}$$

Then, $x^2 - (1 + x^2) \sin \theta$

$$= \frac{1 + \sin \theta}{1 - \sin \theta} - x^2 \sin \theta$$

$$= \frac{1 + \sin \theta - 2 \sin \theta}{1 - \sin \theta} = \frac{1 - \sin \theta}{1 - \sin \theta} = \mathbf{1}$$

63. (D) ATQ,

$$x + \frac{1}{3x} = 6$$

multiply by 3

$$\Rightarrow 3x + \frac{1}{x} = 18$$

Taking cubes on both sides

$$= 27x^3 + \frac{1}{x^3} = (18)^3 - 3 \times 3x \times \frac{1}{x} \left(3x + \frac{1}{x} \right)$$

$$= (18)^3 - 9 \times 18$$

$$= 5832 - 162$$

$$= \mathbf{5670}$$

64. (B) ATQ,

$$\frac{4}{3} \pi r^3 = 4 \pi r^2$$

$$\Rightarrow r = 3$$

Hence, Required radius = **3 units**

65. (B) ATQ,

$$\text{The quantity of water} = \frac{30 \times 75}{100} = 22.5$$

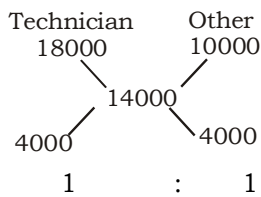
kg

Then, the quantity of new mixture

$$= \frac{22.5}{125} \times 100 \times 2 = 36 \text{ kg}$$

Hence, Required quantity = 36 - 30 = **6 kg**

66. (C) ATQ,



1 unit = 7

2 units = 7 × 2 = 14

∴ Total number of workers = **14**

67. (B) ATQ,

$$P = \frac{1000}{\left(1 + \frac{20}{100}\right)^1} + \frac{1000}{\left(1 + \frac{20}{100}\right)^2} + \frac{1000}{\left(1 + \frac{20}{100}\right)^3}$$

$$= \frac{455 \times 1000}{216} = 2106.48$$

Hence, Required Amount = **₹2106.48**

68. (D) ATQ,

$$\frac{x-y}{x+y} = \frac{1}{7} \Rightarrow \frac{x}{y} = \frac{4}{3} \text{ ----- (i)}$$

and,

$$\frac{x-y}{xy} = \frac{1}{24} \Rightarrow 24x - 24y = xy$$

From equation (i),

$$\Rightarrow 24x - 24 \times \frac{3x}{4} = \frac{3}{4}x \times x$$

$$\Rightarrow 6x = \frac{3}{4}x^2 \Rightarrow x = 8$$

Then, $y = 6$

Hence, square root of the sum of their square

$$= \sqrt{64 + 36} = \mathbf{10}$$

69. (A) Required Profit or Loss = $+80 - 20 + \frac{(80)(-20)}{100}$
= **44%**

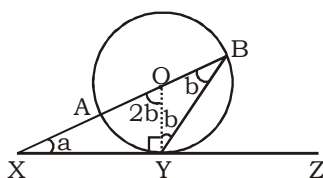
70. (B) ATQ,

0.6cm → 10kg

then,

6cm → $\frac{10}{0.6} \times 6 \text{ kg} = \mathbf{100 \text{ kg}}$

71. (B) ATQ,



Then, in ΔOXY

$$90^\circ + a + 2b = 180^\circ \Rightarrow a + 2b = \mathbf{90^\circ}$$

72. (B) ATQ,

Required ratio =

$$\left(15 + 12\frac{1}{2} + 25\right) : \left(10 + 15 + 12\frac{1}{2}\right)$$

$$\Rightarrow 52\frac{1}{2} : 37\frac{1}{2}$$

$$\Rightarrow 7 : 5$$

Hence, required ratio = **7 : 5**

73. (D) ATQ,

Expenditure on Basket ball

$$= \frac{12.5}{100} \times 12,000,000$$

$$= \mathbf{₹15,00,000}$$

74. (D) ATQ,

$$\text{Required Angle} = \frac{(15 + 15 + 10)}{100} \times 360^\circ$$

$$= \mathbf{144^\circ}$$

75. (A) ATQ,

$$\text{Expenditure on Tennis} = \frac{2,000,000}{25} \times 10$$

$$= \mathbf{₹80,00,00}$$

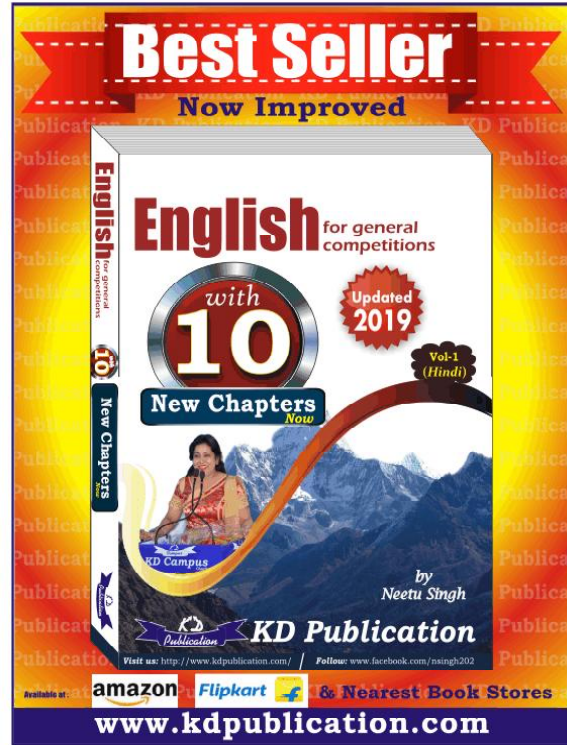


MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Coarse	ordinary or inferior quality or value, common	खुरदरा
Debilitate	to impair the strength of, enfeeble	कमजोर बनाना
Diatribe	a bitter and abusive speech or piece of writing	दोषरोपण
Disdain	a feeling of dislike for someone or something considered not good enough	तिरस्कार करना
Factitious	not produced by natural means	नकली
Gaiety	a happy and lively quality	आनंद
Hiatus	a period of time when something (such as an activity or programme) is stopped	अंतराल
Humorous	causing laughter	हास्यपूर्ण
Ignorant	resulting from or showing a lack of knowledge	अनजान
Inquisitive	given to examination or investigation	जिज्ञासु
Jollity	a happy and cheerful quality or state	खुशी, उल्लास
Knave	a dishonest man	धोखेबाज
Knell	a sound of a bell when it is rung slowly because someone has died	मृत्यु की सूचना देने वाली धीम गति से बजती घंटी
Laconic	using few words in speech or writing	संक्षेप, अल्प
Modicum	a small portion, a limited quantity	नाम मात्र
Opprobrium	something that brings disgrace	अपमान
Perplex	to confuse (someone) very much	उलझाना
Prejudice	to cause to have an unfair dislike of	पक्षपात
Recluse	a person who leads a secluded or solitary life	जो अकेला रहना पसंद करता है।
Reveille	a signal to get up in the morning	प्रातः अलाम
Scintilla	a very small amount of something	चिनगारी, थोड़ा सा
Slothful	lazy	सुस्त

SSC MOCK TEST - 202 (ANSWER KEY)

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



76. (C) Replace 'either of three chapter' with 'any of three chapters'. Either is used only in reference to one of two items. Anyone can be used for two or more than two items.
77. (B) Replace 'next' with 'nearest'. Next means immediately adjacent is in place, rank or time) while nearest' means 'at, within or to a shortest distance or time'.
78. (B) Replace 'of spending few' with 'of spending a few'. Few is used with plural countable nouns which means in a very small number almost nothing. While 'a few' means some'.
79. (B) 'Costumes' is the correct option. Costume means the clothes worn by a group of people especially during a particular time (वेशाभूषा)
80. (D) 'Dedicated' is the correct option. Dedicate means to officially make (something) a place for honouring or remembering a person, event (समर्पण करना)
92. (C) 'Confarmist' is the incorrectly spelt word. 'Conformist' is the correct word.
93. (D) 'Receipient' is the incorrectly spelt word. 'Recipient' is the correct word. Recipient means one that receives.

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