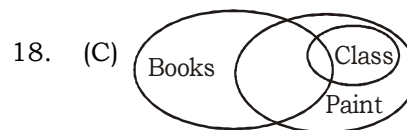
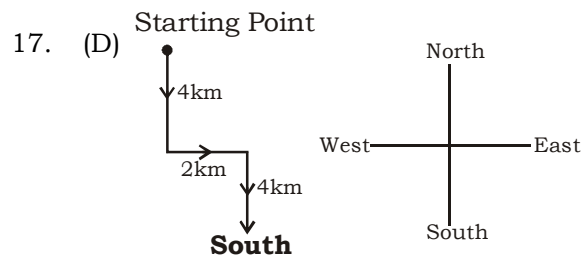


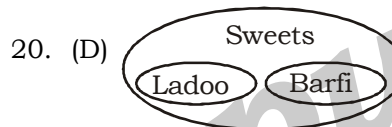
SSC MOCK TEST – 185 (SOLUTION)

1. (D) As, $20 : 20 \times \frac{3}{4} = 15$
Similarly, $100 : 100 \times \frac{3}{4} = 75$
2. (B) As, Ampere is the SI unit of electric current.
Similarly, Fathom is the SI unit of **Depth of water**.
3. (B) As, $\begin{matrix} H & J & L & N \\ +8 & +8 & +8 & +8 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ P & R & T & V \end{matrix}$
Similarly, $\begin{matrix} B & D & F & H \\ +8 & +8 & +8 & +8 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ J & L & N & P \end{matrix}$
4. (C) Except **Lotus**, others are grown in fresh water.
5. (D) $18 = 4^2 + (4 - 2)$
 $40 = 6^2 + (6 - 2)$
 $180 = 13^2 + (13 - 2)$
 $82 = 9^2 + 1$
6. (B) $W \xrightarrow{+3} Z$ $U \xrightarrow{+3} X$
 $O \xrightarrow{+3} R$ **$F \xrightarrow{+2} H$**
7. (A) **43152**
8. (C) $\frac{2}{\times 2.5}, \frac{5}{\times 2.5}, \frac{12.5}{\times 2.5}, \frac{31.25}{\times 2.5}, \frac{78.125}{\times 2.5}$
9. (C) $\frac{AD}{+4}, \frac{EH}{+4}, \frac{IL}{+4}, \frac{MP}{+4}, \frac{QT}{+4}$
10. (D) $\begin{matrix} & \text{Brother-in-law} & & & \\ & \swarrow & & \searrow & \\ \text{Mohan} & \xrightarrow{\text{Wife}} & \text{Sona} & \xrightarrow{\text{Brother}} & \text{Ankit} \\ & & \uparrow & & \\ & & \text{Aunt} & & \\ & & \text{Shilpa} & & \end{matrix}$
11. (D) $K > R > D > V > M$
12. (D) **GREAT**
13. (D) $L = 12 + 8 = 20$ **$L = 12 + 8 = 20$**
 $E = 5 + 8 = 13$ **$I = 9 + 8 = 17$**
 $A = 1 + 8 = 9$ **$G = 7 + 8 = 15$**
 $D = 4 + 8 = 12$ **$H = 8 + 8 = 16$**
 $E = 5 + 8 = 13$ **$T = 20 + 8 = 28$**
 $R = 18 + 8 = 26$
14. (C) $16 \times 8 \div 4 - 3 + 9$
After changing the signs as per given details,
 $16 - 8 + 4 \div 3 \times 9$
 $= 8 + 12 = 20$
15. (B)
16. (B) As, $3 \times 4 + 5 \times 6 = 42$
and, $4 \times 4 + 7 \times 5 = 51$
Similarly, $3 \times 4 + 5 \times 5 = 37$



- I. True
II. True
 \therefore **Both conclusion I and II follow.**

19. (D) **240 kg**



21. (B)
22. (B)
23. (B)
24. (A)
25. (B) $\begin{matrix} F & O & R & K \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 30 & 86 & 13 & 77 \end{matrix}$

28. (C) **Books** **Author**
• 'The Coalition Years' – Pranab Mukherjee
• 'Matoshree' – Sumitra Mahajan
• 'Hit Refresh' – Satya Nadella
• 'Immortal India' – Amish Tripathi
• 'I do what I do' – Raghuram Rajan
29. (C) **Grand Prix 2018 Winner**
Australia, Bahrain Sebastian Vettel
China, Monaco Daniel Ricciardo
Azerbaijan, Spain Lewis Hamilton
31. (D) The great scholars in the court of KanishaKa I were Asvaghosa (the Buddhist poet), Nagarjuna (the philosopher), Samgharaksha (the chaplain), Mathara (the politician), Vasumitra (the Buddhist scholar), Charaka (the physician) and Agisala (the engineer).
32. (C) Willy willy is a tropical cyclone of north-west Australia. It originates in the Timor Sea and causes rainfall in different parts of Australia.

33. (B) After the pollination of ovary, fruit develops gradually from it. Stem of tree develops to wood. Seed develops from fertilized ovule. Leaf produces starch at the time of photosynthesis.
35. (D) Air bubble in water would act as a diverging lens, because the refractive index of air is less than that of water.
37. (C) **Folkdance State**
 Lezim : Maharashtra
 Puliattam : Tamil Nadu
 Dappu : Andhra Pradesh
45. (A) **Strait Between Ocean**
- Davis strait – Bafin Beug and Atlantic Ocean.
 - Bering strait – Bering sea and Chuksi sea
 - Bass strait – Tasman Sea and South Sea.
 - North Channel – Irish sea and Atlantic Ocean.
 - Otranto strait – Adriatic Sea and Ionian Sea.
 - Sunda strait – Lava Sea and Indian Ocean.
49. (B) Person having blood group 'AB' is called universal recipient because the 'AB' blood group has no antibody in the blood plasma. So, the persons can accept any type of blood group (i.e. A, B or O).
50. (A) Money is referred to as a measure of value and price. Because the market enables any commodity to be turned into money and money into any commodity, objective exchange value is expressed in terms of Money. It is a price index.

51. (B) ATQ,

$$1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{x}}} = \frac{7}{11}$$

$$\Rightarrow x = \left(\left(\left(\left(\left(\frac{7}{11} \right)^{-1} - 1 \right)^{-1} - 1 \right)^{-1} - 1 \right)^{-1} \right)^{-1} = 3$$

52. (D) $P - Q = (3^2 - 2^2) + (7^2 - 6^2) + (11^2 - 10^2) + \dots + (23^2 - 22^2) + 27^2$
 $= (3 - 2)(3 + 2) + (7 - 6)(7 + 6) + (11 - 10)(11 + 10) + \dots + (23 - 22)(23 + 22) + 27^2$
 $= (3 + 2) + (7 + 6) + (11 + 10) + \dots + (23 + 22) + 27^2$
 $= (3 + 7 + 11 + \dots + 23) + (2 + 6 + 10 + \dots + 22) + 27^2$
 $= \frac{6}{2} \times (3 + 23) + \frac{6}{2} (2 + 22) + 27^2$
 $= 3 \times 26 + 3 \times 24 + 27^2$

$$= 3(26 + 24) + 27^2$$

$$= 150 + 729$$

$$= \mathbf{879}$$

53. (C) $x = -2, 3$ and -5 , satisfies the equation $x^3 + 4x^2 - 11x - 30 = 0$
 $\therefore \mathbf{(x - 3), (x + 2) \text{ and } (x + 5)}$ are the factors of $x^3 + 4x^2 - 11x - 30$

54. (B) Let the length of train be L
 ATQ,

$$\frac{L}{40 \times \frac{5}{18}} = 9$$

$$\Rightarrow L = \frac{9 \times 40 \times 5}{18} \text{ m}$$

$$\Rightarrow \mathbf{L = 100 \text{ m}}$$

55. (A) $x^2 - 4x + 13$
 $= x^2 - 2 \times 2 \times x + 4 + 9$
 $= (x - 2)^2 + 9$
 we know, $(x - 2)^2 \geq 0$
 $\Rightarrow x^2 - 4x + 13 = (x - 2)^2 + 9 \geq 9$
 \therefore Smaller value of $x^2 - 4x + 13 = \mathbf{9}$

56. (B) R (radius) = 5cm
 H (height) = 12cm

$$l \text{ (slant height)} = \sqrt{(5)^2 + (12)^2} = 13 \text{ cm}$$

$$\text{Curved surface area of cone} = \pi \cdot R \cdot l$$

$$= \frac{22}{7} \times 5 \times 13 = \mathbf{204.28 \text{ cm}^2}$$

57. (C) Let the radius of circle be r
 ATQ,

$$200 = \frac{\theta}{360^\circ} \times 2\pi r$$

$$\Rightarrow 200 = \frac{72^\circ}{360^\circ} \times 2 \times \pi \times r$$

$$\Rightarrow r = \frac{200 \times 360}{\pi \times 2 \times 72} = \frac{\mathbf{500}}{\pi} \text{ m}$$

58. (B) Interior Angle of regular Polygon = 120°
 \therefore Exterior angle of regular polygon = $180^\circ - 120^\circ = 60^\circ$

$$\text{Now, Number of sides of polygon} = \frac{360^\circ}{60^\circ} = 6$$

and, Number of diagonals of polygon

$$= \frac{6 \times (6 - 3)}{2} = \frac{6 \times 3}{2} = \mathbf{9}$$

59. (D) As the power of all terms of the expression are not same,

the value of $\frac{3A^2 + 4B}{3A - 4B^2}$ can not be determined.

60. (A) Let work be LCM $[5 \times 12, 10 \times 15] = 300$ units

$$1 \text{ man's one day work} = \frac{300}{5 \times 12} = 5 \text{ units}$$

$$1 \text{ woman's one day work} = \frac{300}{10 \times 15} = 2 \text{ units}$$

$$\begin{aligned} 6 \text{ men's and } x \text{ women's one day work} \\ = 6 \times 5 + 2x \\ = 30 + 2x \end{aligned}$$

ATQ,

$$\frac{300}{30 + 2x} = 7 \frac{1}{2}$$

$$\Rightarrow 30 + 2x = 40$$

$$\Rightarrow 2x = 10$$

$$\Rightarrow x = 5$$

61. (C) Let the speed of train = x km/h

ATQ.,

$$330 \times 40 = x \times \frac{5}{18} \times 11 \times 60$$

$$\Rightarrow x = \mathbf{72 \text{ km/h.}}$$

62. (D)

A	B
Efficiency 3	: 1
Day 1	: 3

$$\text{ATQ,}$$

$$(3 - 1) \text{ units} = 2 \text{ units} = 40 \text{ days}$$

$$\Rightarrow 1 \text{ unit} = 20 \text{ days}$$

$$A \Rightarrow 20 \text{ days}$$

$$B \Rightarrow 60 \text{ days}$$

Let work be 60 units

A's one day work = 3 units

B's one day work = 1 unit

(A + B)'s one day work = 4 units

$$\therefore \text{Required number days} = 60 \times \frac{2}{3 \times 4}$$

$$= \mathbf{10 \text{ days}}$$

63. (C) ATQ,

$$\text{SP.} = ₹24$$

$$d\% = 20\% = \frac{1}{5}$$

$$\text{M.P.} = ₹24 \times \left(1 - \frac{1}{5}\right)^{-1} = ₹24 \times \frac{5}{4} = ₹30$$

$$\text{SP}_2 = 30 \times \frac{7}{10} = ₹21 \text{ (Discount of 30\%)}$$

$$\text{CP} = ₹21 \times \frac{4}{3} = ₹28$$

SP₃ (selling price for 25% profit)

$$= ₹28 + ₹ \frac{28}{4}$$

$$= ₹28 + ₹7 = ₹35$$

$$\therefore \text{Required price} = \mathbf{₹35}$$

64. (B) $N = 270 \times 126 \times 324 \times 55$

$$= 2^4 \times 3^9 \times 5^2 \times 7 \times 11$$

$$\therefore \text{maximum value of } m = \mathbf{9}$$

65. (B) For unique solution

$$\frac{K}{3} \neq \frac{2}{1}$$

$$\Rightarrow \mathbf{K \neq 6}$$

66. (B) Let the price of chair be x and that of table by y .

ATQ,

$$2x + y = 800 \quad \dots(1)$$

$$x + 2y = 700 \quad \dots(2)$$

$$mx + my = 27500 \quad \dots(3)$$

Adding equation (1) & (2),

$$3x + 3y = 1500$$

$$\Rightarrow x + y = 500 \quad \dots(4)$$

Dividing (3) by (4)

$$\frac{mx + my}{x + y} = \frac{27,500}{500}$$

$$\Rightarrow \mathbf{m = 55}$$

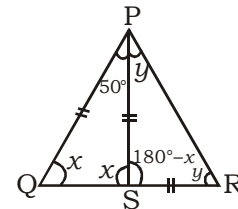
67. (C) Let the four consecutive even numbers

= 2, 4, 6 & 8

L.C.M of 2, 4, 6, 8 is 384

$$\therefore \text{Required number} = \mathbf{384}$$

68. (C)



In ΔPQS ,

$$50^\circ + x + x = 180^\circ$$

$$\Rightarrow 2x = 130^\circ$$

$$\Rightarrow x = 65^\circ$$

In ΔPSR ,

$$180^\circ - x + y + y = 180^\circ$$

$$\Rightarrow -x + 2y = 0$$

$$\Rightarrow x = 2y$$

$$\Rightarrow y = \frac{65^\circ}{2} = 32.5^\circ$$

$$\angle QPR = \angle QPS + \angle SPR = 50^\circ + 32.5^\circ$$

$$\therefore \angle QPR = \mathbf{82.5^\circ}$$

69. (B) Let the side of square be a and that of triangle be b .

ATQ,

$$\sqrt{2}a = 15\sqrt{2}$$

$$\Rightarrow a = 15 \text{ cm}$$

Perimeter of square = $4 \times 15 = 60 \text{ cm}$

Perimeter of triangle = $60 \text{ cm} = 3b$

$$\Rightarrow b = 20 \text{ cm}$$

$$\Rightarrow \text{Area of triangle} = \frac{\sqrt{3}}{4} b^2 = \frac{\sqrt{3}}{4} \times 20 \times 20$$

$$= \mathbf{100\sqrt{3} \text{ cm}^2}$$

70. (A) Volume of sphere = $\frac{4}{3} \pi (6)^3$

$$= 288\pi \text{ cm}^3$$

Let the radius of wire be r

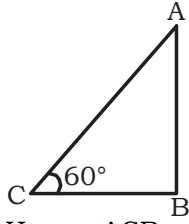
volume of wire = $\pi r^2 \cdot 144 \times 100$

$$\text{ATQ, } 288\pi = 144 \times 100 \times \pi r^2$$

$$\Rightarrow \frac{2}{100} = r^2$$

$$\Rightarrow r = \mathbf{0.2 \text{ cm}}$$

71. (B)



Here, $\angle ACB = 60^\circ$ and $BC = 3.4\text{m}$

$$\cos 60^\circ = \frac{BC}{AC}$$

$$\Rightarrow \frac{1}{2} = \frac{3.4}{AC}$$

$$\Rightarrow AC = 6.8 \text{ m.}$$

\therefore Length of ladder = **6.8 m**

72. (D) Required percentage

$$\frac{65}{(25 + 65)} \times 100$$

$$= \frac{65}{90} \times 100$$

$$= \mathbf{72.23}$$

73. (C) Number of cars manufactured in month of April and May = $2620 - 1520$

$$= \mathbf{1100}$$

74. (D) Required number of calories

$$= \frac{400}{5} \times 19$$

$$= \mathbf{1520 \text{ calories}}$$

75. (D) Required percentage = $\frac{4+6}{18} \times 100$

$$= \frac{10}{18} \times 100$$

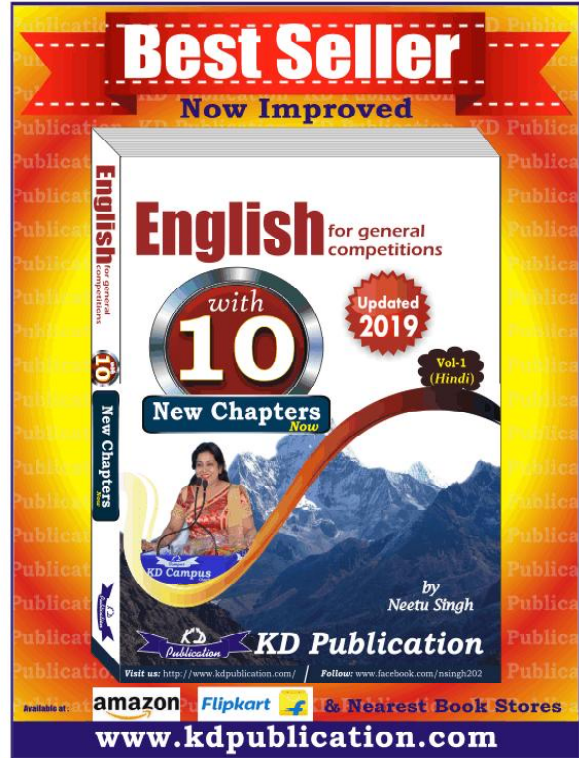
$$= \mathbf{55.56}$$

MEANINGS IN ALPHABETICAL ORDER

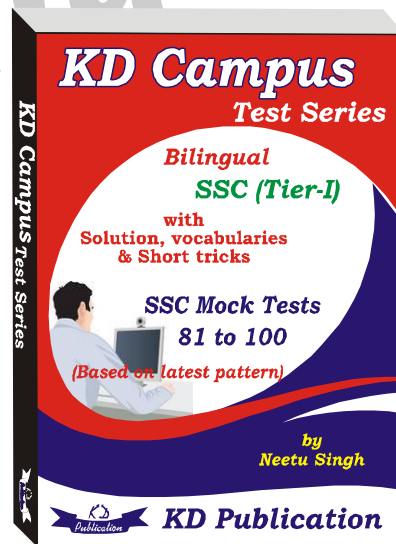
Word	Meaning in English	Meaning in Hindi
Fortunate	Lucky	भाग्यशाली
Proclivity	A tendency to choose or do something regularly	झुकाव
Resurrect	Revive something	पुनर्जीवित होना
Embellish	Make something more attractive by the addition of decorative details	संवारना
Bemoan	Express sadness about something	विलाप करना
Morgue	A building or a room in a hospital where dead bodies are kept	मुर्दा घर
Scullery	A small kitchen or room at the back of a house used for washing dishes and other dirty household work.	बर्तन माजने की जगह
Reservoir	A large natural or artificial lake used as a source of water supply	जलाशय
Orchard	A piece of enclosed land planted with fruit trees	बगीचा
Teaser	An advertising or promotional device intended to arouse interest or curiosity especially in something to follow	विज्ञापन-चित्र
Tannery	A place where animal hides are tanned	चमड़े का कारखाना
Torque	A force that tends to cause rotation	आघूर्ण बल
Trampoline	a strong fabric sheet connected by springs to a frame, used as a springboard and landing area in doing acrobatic	उछाल पट
Aspersions	An attack on the reputation of someone or something	लांछन
Anathema	Something or someone that one dislikes	अभिशाप्त
Abrogate	Repeal or do away with	अभिनिषेध करना
Abnegation	The act of rejecting something	अस्वीकार करना
Congruity	A quality of agreement	सामंजस्य
Contrite	Feeling or expressing remorse at the recognition that one has done wrong	पछताया हुआ
Corpulence	The state of being fat	स्थूलकाय
Conflagration	An extensive fire which destroys a great deal of land property	आग

SSC MOCK TEST - 185 (ANSWER KEY)

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



76. (A) With expressions like 'one of' main noun must always be in plural form. Correct expression will be 'One of the most important things'.
77. (C) 'While the students were enjoying' is the correct expression. With while always use continuous form.
78. (C) Use of 'so' with special is wrong. It should be 'very special'.
88. (C) 'Since' represent the time of point when something started in the past. That is why option 'C' is right.
89. (A) The main subject in the sentence is singular. So use 'is both'.



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