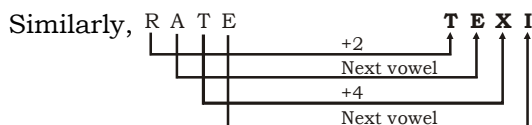
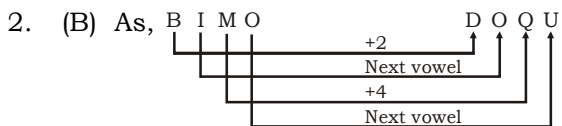


SSC MOCK TEST – 201 (SOLUTION)

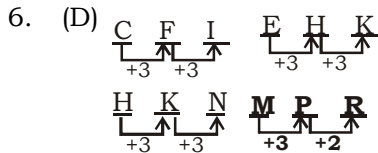
1. (D) As, Dinnar is the currency of Iraq.
Similarly, **Won** is the currency of Korea.



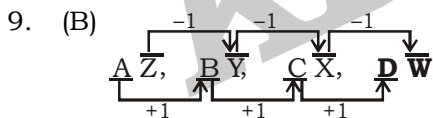
- 3. (A) $(5 \times 4) - (6 \times 3) = 2 \Rightarrow 2^3 = 8$
 $(3 \times 6) - (5 \times 3) = 3 \Rightarrow 3^3 = 27$
- 4. (C) $15 = 3 \times 5$
 $143 = 11 \times 13$
99 = 9 \times 11
 $77 = 7 \times 11$

Except (C), others are product of consecutive prime numbers. 9 is not a prime number.

5. (C) Except Helicopter, other run on land.



- 7. (D) **45312**
- 8. (B) $8 \times 1 + 5 = 13$
 $13 \times 2 + 4 = 30$
 $30 \times 3 + 3 = 93$
 $93 \times 4 + 2 = 374$
 $374 \times 5 + 1 = 1871$



- 10. (B) **abcaabcaabcaabcaabca**
- 11. (C) Let there be $(x + 1)$ members. Then,

Father's share = $\frac{1}{4}$, share of each other

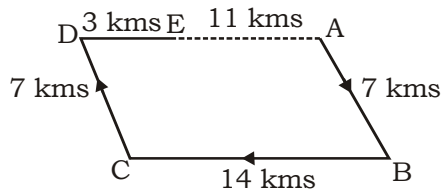
member = $\frac{3}{4x}$

$\therefore 3 \left(\frac{3}{4x} \right) = \frac{1}{4} \Rightarrow 4x = 36 \Rightarrow x = 9.$

Hence, total number of family members = **10**

12. (D) **MILLION**

13. (D)



\therefore Required distance (AE) = $(14 - 3) = 11$ kms

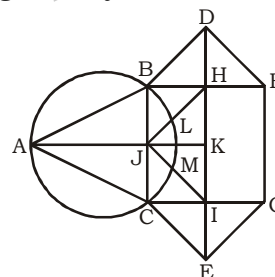
14. (C) The correct order is :

| Seed | Plant | Tree | Flowers | Fruit |
|------|-------|------|---------|-------|
| 2 | 5 | 1 | 3 | 4 |

- 15. (D) J A Y S U R Y A
 $17 \ 26 \ 2 \ 8 \ 6 \ 9 \ 2 \ 26 = 96$
 $\Rightarrow 96 \times 8(\text{no. of letters}) = 768$
L A R A
 $15 \ 26 \ 9 \ 26 = 76 \Rightarrow 76 \times 4(\text{no. of letters}) = 304$
T E N D U L K A R
 $7 \ 22 \ 13 \ 23 \ 6 \ 15 \ 16 \ 26 \ 9 = 137$
 $\Rightarrow 137 \times 9(\text{no. of letters}) = 1233$

- 16. (C) $8 \times 0.5 + 2 = 6$
 $6 \times 1 + 3 = 9$
 $9 \times 2 + 4 = 22$
 $22 \times 4 + 5 = 93$
 $93 \times 8 + 6 = 750$

17. (C) The figure may be labelled as shown.



Simplest triangles are ABJ, ACJ, BDH, DHF, CIE and GIE i.e. 6 in number.

Triangles composed of two components each are ABC, BDF, CEG, BHJ, JHK, JKI and CJL i.e. 7 in number.

There is only one triangle JHI which is composed of four components.

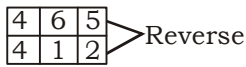
Thus, there are $6 + 7 + 1 = 14$ triangles in the given figure.



- I. \checkmark
- II. \checkmark

Hence, Both I and II follow.

19. (B) From figure,



∴ "1" is present on the face opposite to 6

20. (B) Kitchen
Utensils
Glass

21. (C)

22. (D)

23. (B)

24. (D)

25. (B) **H O M E**
11, 76, 87, 67

26. (A) Femina Miss India 2019 was the 56th edition, which was held at Sardar Vallabhbhai Patel Indoor Stadium, Mumbai on 15 June 2019 and was hosted by Karan Johar, Manish Paul and Manushi Chhillar.

27. (C) The WDCDD is a UN observance on each June 17. Its purpose is to raise awareness of the presence of desertification and drought, highlighting methods of preventing desertification and recovering from drought.

29. (A) Keibul Lamjao is the only floating National Park in the world.

This National Park is located on the phumdis floating in the Loktak Lake and the largest freshwater lake in India.

| | |
|--------------|--|
| State | National Park |
| Odisha | Bhitarkanika, Kanger Ghati and Similipal |

| | |
|-------------|--|
| West Bengal | Sundarbans, Jaldapara, Gorumara and Singalila etc. |
|-------------|--|

| | |
|-------------------|---|
| Arunachal Pradesh | Namdapha, Mouling and Pakke Tiger Reserve |
|-------------------|---|

30. (B) Caspian sea is land locked between Asia and Europe. It is bounded by Azerbaijan, Iran, Kazakhstan, Russia and Turkmenistan.

Caribbean sea is bounded by Mexico, Central America, Cuba and South America.

Labrador Sea is an arm of North Atlantic Ocean, between Labrador Peninsula and Greenland. It is a Marginal Sea of the Atlantic.

North Sea is also a marginal sea of the Atlantic, located between the England, Scotland, Denmark, Norway, Sweden, Germany, Netherlands, Belgium and

France.

32. (C) The fundamental duties (part IV A) of the citizens were added to the constitution by 42nd Amendment of 1976, upon recommendation of Swaran Singh committee. Originally 10 in number, 11th fundamental duty was elected by the 86th Amendment in 2002.

34. (B) Pakistan joined SCO in June 2017. Its last year's summit was held at Qingdao, China.

Its next summit is scheduled to be held at Chelyabinsk, Russia.

36. (B) Fiscal deficit is a gap by which Government's total expenditure exceeds the Governments generated revenue. It doesn't include Govt. borrowings. Some methods to reduce fiscal deficit are - avoiding unplanned expenditure and reducing public expenditure/subsidies borrowing from internal sources.

37. (B) Repo rate is the rate at which RBI lends to its clients and commercial banks.

Cash Reserve ratio (CRR) is a certain percentage of bank deposits which banks are required to keep with RBI in the form of reserves or balances. The higher the CRR with RBI, lower will be liquidity in the system and vice versa.

38. (D) Treasury Bills are presently issued in three maturities namely 91 days, 182 days and 364 days. Treasury bills are zero coupon securities and pay no interest. They can be issued only by central Government not by state governments.

| | |
|--|---------------|
| 40. (B) Event | Symbol |
| Buddha's Birth | Lotus & Bull |
| The Great Departure (Mahabhinishkramana) | Horse |
| Enlightenment (Nirvana) | Bodhi Tree |
| First Sermon (Dhammachakra parivartan) | Wheel |
| Death (Mahaparinirvana) | Stupa |

41. (A) Examples of Transverse Waves are- the ripples on the surface of the water, the secondary waves of an earthquake, the waves on a string, human waves and the ocean waves.

Examples of Longitudinal Waves are- sound wave in air, the primary waves of an earthquake, ultrasound, the vibration in a spring, the vibration in a gas and tsunami waves.

44. (C) **India Exercise**
 Malaysia ARF DIREx
 UK Konkan
 Russia INDRA NAV
45. (C) A round robin tournament is a competition in which each contestant meets all other contestants in turn. A round robin contracts with an elimination tournament, in which participants are eliminated after a certain number of losses.
47. (B) **Author Books**
 Ursula Vernon Dragon Breath, Harriet the Invincible, Curse of the Were-Wiener and Giant Trouble etc.
 Amal El-Mohtar The Grace of Kings, The Djinn Falls in Love and Other Stories etc.
 Diksha Basu The Windfall
 Bairaj Khana Foreign Policy of India, Environmental Engineering and Dark Star etc.
50. (D) Country-India, Bangladesh
 Length-2,525 km
 Discharge location-Bay of Bengal
 Tributaries
 left-Ramganga, Gomti, Karnali, Gandaki, Koshi, Mahananda
 right-Yamuna, Tamsa, Son, Punpun, Tons
51. (B) Relative speed = $(45 + 30)$ km/hr
 $= \left(75 \times \frac{5}{18}\right) = \left(\frac{125}{6}\right)$ m/sec
 We have to find the time taken by the slower train to pass the driver of the faster train and not the complete train.
 So, distance covered = Length of the slower train
 Therefore, Distance covered = 750 m
 \therefore Required time = $\left(750 \times \frac{6}{125}\right) = 36$ sec
52. (B) $329 = 47 \times 7$
 Here, 327 is completely divisible by 7.
 \therefore Required least number = 0
53. (C) Let the rate be R% p.a.
 Then, $\left(\frac{5000 \times R \times 2}{100}\right) + \left(\frac{3000 \times R \times 4}{100}\right) = 1760$
 $\Rightarrow 100R + 120R = 1760$
 $\Rightarrow R = \left(\frac{1760}{220}\right) = 8$
- \therefore Rate = 8%
54. (B) C.P. of 56 kg rice = $(48 \times 25 + 25 \times 36)$
 $= (1200 + 900)$
 $= ₹ 2100$
 S.P. of 73 kg rice = $(73 \times 30) = ₹ 2190$
 \therefore Gain = $\left(\frac{90}{2000} \times 100\right)\% = 4.5\%$
55. (A) Increase in 10 years = $(280000 - 175000)$
 $= 105000$
 Increase % = $\left(\frac{105000}{175000} \times 100\right)\% = 60\%$
 \therefore Required average = $\left(\frac{60}{10}\right)\% = 6\%$
56. (A) Let SP of 6 items = ₹6
 Profit = ₹1
 then. CP. of 6 items = $6 - 1 = ₹5$
 \therefore Required Profit = $\frac{1}{5} \times 100 = 20\%$
57. (A) Unit digit in $(374)^{1793} =$ Unit digit in $(4)^{1793}$
 $=$ Unit digit in $[(4^2)^{896} \times 4]$
 $=$ Unit digit in $(6 \times 4) = 4$
 Unit digit in $(825)^{317} =$ Unit digit in $(5)^{317} = 5$
 Unit digit in $(541)^{491} =$ Unit digit in $(1)^{491} = 1$
 Required digit = Unit digit in $(4 \times 5 \times 1) = 0$
58. (B) Given exp.
 $= \frac{1}{\left(1 + \frac{X^b}{X^a} + \frac{X^c}{X^a}\right)} + \frac{1}{\left(1 + \frac{X^a}{X^b} + \frac{X^c}{X^b}\right)} + \frac{1}{\left(1 + \frac{X^b}{X^c} + \frac{X^a}{X^c}\right)}$
 $= \frac{X^a}{(X^a + X^b + X^c)} + \frac{X^b}{(X^a + X^b + X^c)} + \frac{X^c}{(X^a + X^b + X^c)}$
 $= \frac{(X^a + X^b + X^c)}{(X^a + X^b + X^c)} = 1$
59. (B) ATQ.,
 $a + 2d = -1$... (i)
 and, $a + 7d = 19$... (ii)
 By solving equation (i) and (ii), we get
 $a = -9$ and $d = 4$
 Now, 11th term = $-9 + (11 - 1) \times 4$
 $\Rightarrow -9 + 40 = 31$
 \therefore Required sum = $\frac{11}{2} (-9 + 31)$
 $= \frac{11}{2} \times 22 = 121$

60. (C) Let the distance travelled be x km

$$\text{Then, } \frac{x}{10} - \frac{x}{15} = 2$$

$$\Rightarrow 3x - 2x = 60$$

$$\Rightarrow x = 60 \text{ km}$$

Time taken to travel 60 km at 10 km/hr

$$= \left(\frac{60}{10}\right) = 6 \text{ hrs}$$

So, Robert started 6 hrs before 2 P.M. i.e., at 8 A.M.

$$\text{Required speed} = \left(\frac{60}{5}\right) = 12 \text{ km/h}$$

61. (D) Slope of the line passing through (3, -2) and (4, 2)

$$= \frac{2 - (-2)}{4 - 3} = 4$$

$$\text{and, Required slope} = \frac{-1}{4}$$

62. (D) Rate downstream = $\left(\frac{1}{10} \times 60\right) = 6 \text{ km/hr}$

$$\text{Rate upstream} = \frac{3}{3} \times 2 = 2 \text{ km/hr}$$

$$\text{Speed in still water} = \frac{1}{2} (6 + 2) = 4 \text{ km/hr}$$

$$\therefore \text{Required time} = \left(\frac{6}{4}\right) \text{ hrs}$$

$$= 1\frac{1}{2} = 1 \text{ hr } 30 \text{ min}$$

63. (D) Required percentage = $31 + 31 + \frac{31 \times 31}{100}$

$$= 71.61\%$$

64. (C) Required number of edges = **6**

65. (B) Perimeter of equilateral $\Delta = 2 \times \frac{22}{7} \times 14$

$$= 88 \text{ cm}$$

$$\therefore \text{Required side of } \Delta = \mathbf{88/3 \text{ cm}}$$

66. (C) $\frac{\text{Area of } \Delta \text{BDF}}{\text{Area of hexagon}} = \frac{1}{2}$

\therefore Area of hexagon = $6 \times$ area of equilateral

$$\text{triangle} = 6 \times \frac{\sqrt{3}}{4} \times 8^2 = 96\sqrt{3} \text{ cm}^2$$

$$\therefore \text{Area of } \Delta \text{BDF} = \mathbf{48\sqrt{3} \text{ cm}^2}$$

67. (C) $a^3 + b^3 = 72 \dots(i)$

$$\text{and, } ab = 8 \dots(ii)$$

By solving equation (i) and (ii), we have

$$a = 4 \text{ and } b = 2$$

$$\text{Now, } a + b = 4 + 2 = \mathbf{6}$$

68. (B) Let B join the business for x months.

ATQ,

$$450 \times 12 : 300 \times x = 2 : 1$$

$$\Rightarrow \frac{5400}{300x} = \frac{2}{1}$$

$$\Rightarrow x = 9 \text{ months}$$

Hence, after $12 - 9 = 3$ months B join the business.

69. (A) $\frac{n}{1} = \frac{\sin 2x}{\sin 2y}$

Apply Componendo & Dividendo rules

$$\frac{n+1}{n-1} = \frac{\sin 2x + \sin 2y}{\sin 2x - \sin 2y}$$

$$= \frac{2 \sin(x+y) \cdot \cos(x-y)}{2 \cos(x+y) \cdot \sin(x-y)} = \frac{\mathbf{\tan(x+y)}}{\mathbf{\tan(x-y)}}$$

70. (C) Let $x = \sqrt{6\sqrt{6\sqrt{6\sqrt{6\dots\dots}}}}$

$$\therefore x = \sqrt{6x}$$

Squaring both sides

$$x^2 = 6x$$

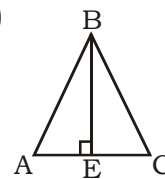
$$\Rightarrow x(x-6) = 0 \Rightarrow x = 6$$

$$\therefore 6 = (6^3)^{y-1} = 6^{3y-3}$$

$$\Rightarrow 3y - 3 = 1 \Rightarrow 3y = 4$$

$$y = \frac{\mathbf{4}}{\mathbf{3}}$$

71. (C)



Let $AB = a$ units

$$BE = \frac{\sqrt{3}}{2} a \text{ units}$$

$$AB^2 + BC^2 + CA^2 = 3a^2 = 4 \times \frac{3}{4}a^2$$

$$= 4 \times \left(\frac{\sqrt{3}}{2}a\right)^2 = 4BE^2$$

72. (C) Total number of people in all six cities

$$= \frac{10,000 \times 100}{20} = 50,000$$

Total population of city A

$$= 50,000 \times \frac{20}{100} = 10,000$$

Number of females in city A = 50% = **5000**

73. (B) Total_B = $\frac{50,000 \times 10}{100} = 5000$

Males are 30%, so females

$$= 100 - 30 = 70\%$$

Difference = 70 - 30 = 40%

$$\text{Required answer} = \frac{5000 \times 40}{100} = \mathbf{2000}$$

74. (B) Female_E = $50,000 \times \frac{10}{100} \times \left(\frac{100 - 60}{100}\right)$

$$= 5000 \times \frac{2}{5} = 2000$$

$$\text{Female}_F = 50,000 \times \frac{20}{100} \left(\frac{100 - 50}{100}\right)$$

$$= 10,000 \times \frac{1}{2} = 5000$$

$$\text{Required \%} = \frac{5000}{2000} \times 100 = \mathbf{250\%}$$

75. (D) Total population in all six cities = 50,000

Total females in all six cities

$$= 50,000 - 20,000 = 30,000$$

$$\text{Required \%} = \frac{30,000}{50,000} \times 100 = 3 \times 20 = \mathbf{60\%}$$

MEANINGS IN ALPHABETICAL ORDER

| Word | Meaning in English | Meaning in Hindi |
|----------------|---|-------------------------|
| Biased | having or showing an unfair tendency to believe that some people, ideas, etc., are better than others | पक्षपातपूर्ण |
| Confiscated | to take (something) away from someone especially as punishment or to enforce the law or rules | जब्त |
| Foment | to cause or try to cause the growth or development of (something bad or harmful) | उकसाना |
| Ignorant | lacking knowledge or information | अज्ञानी |
| Inseparable | not able to be separated | जो अलग न हो सके |
| Insurmountable | impossible to solve or get control of | अजेय |
| Invincible | impossible to defeat | अपराजेय |
| Meticulous | very careful about doing something in an extremely accurate and exact way | अतिसावधान |
| Rare | very uncommon | यदा-कदा होने वाला |
| Scrutinize | to examine closely and minutely | बारीकी से निरीक्षण करना |
| Skillet | a frying pan | लंबे दस्ते की कड़ाही |

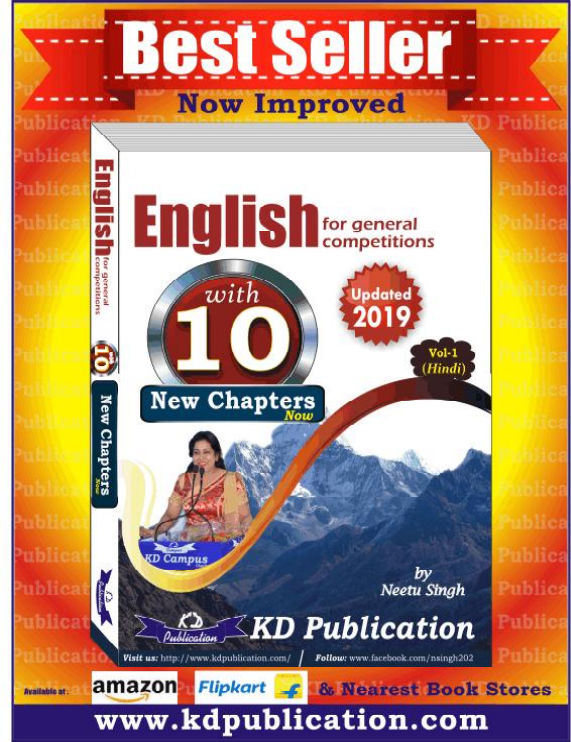
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SSC MOCK TEST - 201 (ANSWER KEY)

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



76. (B) Change 'with' with 'to'. 'Averse' takes preposition 'to'.
Averse to – अनिच्छुक होना
77. (C) Change 'disrupting' into 'disrupted'. The sentence is in Passive voice. And we use V³ in Passive voice.
78. (C) Remove 'into'. 'Investigate' does not take preposition 'into'.
Investigate means to observe or study by close examination and systematic inquiry (जाँच-पड़ताल करना)
80. (B) 'Confiscated' is the correct option. Confiscate means to seize. All other options do not match with the meaning of the sentence. (जब्त करना)

88. (B) 'had been reading that novel' is the correct option. According to the meaning of the sentence, the sentence should be in Past Perfect Continuous Tense.
89. (B) 'So well that' is the correct option. 'So...that' is the correct pair of conjunction.
92. (B) 'definate' is wrongly spelt word. 'Definite' is the correct word. Definite means free of all ambiguity, uncertainty. (निश्चित)
93. (D) 'exite' is the wrongly spelt word. 'Excite' is the correct word

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