

SSC (GD)MOCK TEST – 19 (SOLUTION)

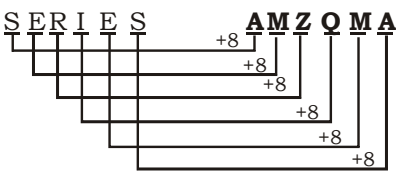
1. (C) As, Chug is the sound of Train.
Similarly, **Bang** is the sound of **door**.

2. (B) As, C P O

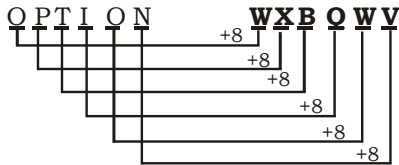
$$\begin{matrix} \downarrow & \downarrow & \downarrow \\ 3 & 16 & 15 \end{matrix} \Rightarrow \frac{34}{2} = 17$$

Similarly, C G L

$$\begin{matrix} \downarrow & \downarrow & \downarrow \\ 3 & 7 & 12 \end{matrix} \Rightarrow \frac{22}{2} = 11$$

3. (D) As, S E R I E S A M Z O M A


Similarly,

O P T I O N W X B O W V


4. (B) As, Handsome is related to Beautiful.
Similarly, Husband is related to **Wife**.

5. (C) **(19, 49)** are co-prime numbers.

6. (D) Except **seminar**, all others are half measure.

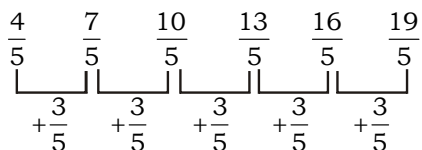
7. (A) $14 - 36 \Rightarrow 36 - 14 = 22$
 $35 - 56 \Rightarrow 56 - 35 = 21$
 $75 - 96 \Rightarrow 96 - 75 = 21$
 $43 - 64 \Rightarrow 64 - 43 = 21$

8. (D) As, $4 \times \frac{1}{2} + 12 \times 2 = 26$

and, $8 \times \frac{1}{2} + 14 \times 2 = 32$

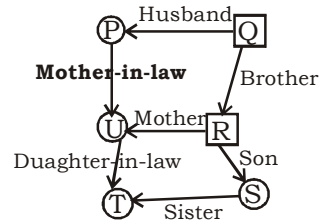
Similarly, $10 \times \frac{1}{2} + 16 \times 2 = 37$

9. (C) $8 + 4 + 7 + 3 = 22$
 $7 + 6 + 4 + 5 = 22$
 $3 + 8 + 5 + 6 = 22$

10. (A) $\frac{4}{5} \quad \frac{7}{5} \quad \frac{10}{5} \quad \frac{13}{5} \quad \frac{16}{5} \quad \frac{19}{5}$


11. (B) D>E>A>B, but marks of C is not least, so marks of **B** is least

12. (D)



13. (D) As, $(7 + 13) \times 4 = 80$

and, $(14 + 17) \times 6 = 186$

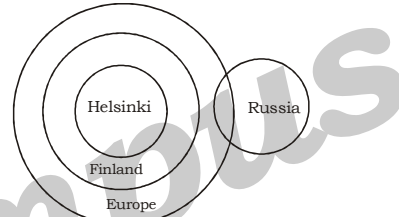
Similarly, $(39 + 43) \times 5 = 410$

14. (A) $96 \div 12 \times 7 - 49 + 10$

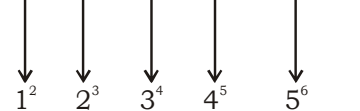
$= 8 \times 7 - 39 = 56 - 39 = 17$

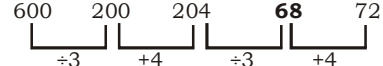
15. (C)

16. (C)



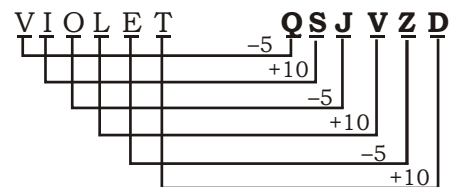
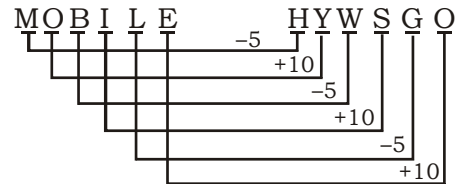
17. (D) 1 8 81 1024 15625



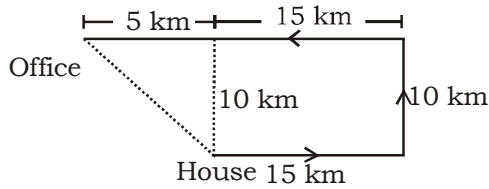
18. (B) 600 200 204 68 72


19. (A)

20. (B)



21. (C)



$$\begin{aligned} \text{Required distance} &= \sqrt{5^2 + 10^2} \\ &= \sqrt{25 + 100} \\ &= \sqrt{125} = 5\sqrt{5} \text{ km} \end{aligned}$$

22. (D)

23. (D)

24. (D)

25. (D)

51. (B) Let the age of elder person = x years
and, the age of younger person
= $(x - 16)$ years

ATQ,

$$(x - 6) = 6(x - 16 - 6)$$

$$\Rightarrow x - 6 = 6x - 104$$

$$\Rightarrow 3x = 96$$

$$\Rightarrow x = 32$$

$$\therefore \text{Required sum} = 32 + (32 - 18) = 46 \text{ years}$$

52. (D) A.T.Q.

$$\begin{aligned} \text{Perimeter of the park} &= 16 \times \frac{9}{60} \\ &= 2400 \text{ m} \end{aligned}$$

Now,

$$2(3x + x) = 2400$$

$$\Rightarrow x = \frac{2400}{8} = 300$$

$$\begin{aligned} \therefore \text{Area of park} &= 3x \times x = 3x^2 \\ &= 3 \times 300 \times 300 \\ &= 270000 \text{ m}^2 \end{aligned}$$

53. (D) Length of the longest rod

$$\begin{aligned} &= \sqrt{112^2, 12^2, 9^2} \\ &= \sqrt{12544, 144, 81} \\ &= 113 \text{ cm} \end{aligned}$$

54. (C) Let the speed of the stream = x km/hr

A.T.Q.,

$$\frac{24}{16, x} + \frac{24}{16, x} = \frac{16}{5}$$

$$\Rightarrow \frac{384, 24x, 384, 24x}{256, 16x, 16x, x^2} = \frac{16}{5}$$

$$\Rightarrow 240 = 256 - x^2$$

$$\Rightarrow x = 4$$

55. (A) A.T.Q.,

They will met after = LCM of

$$\left\{ \frac{17}{5}, \frac{17}{75}, \frac{17}{10} \right\} = \frac{34}{5}$$

\therefore Round completed by second person

$$= \frac{34 \times 7.5}{5 \times 17} = 3$$

56. (C) Let $a = 16$, $b = 18$ and $c = 24$

$$\text{Now, } ab + a + b = 382$$

$$\text{Then, } 16 \times 18 + 16 + 18 = 382 \text{ (satisfy)}$$

$$\text{and, } ac + a + c = 424$$

$$16 \times 24 + 16 + 24 = 424 \text{ (satisfy)}$$

$$\text{and, } bc + b + c = 474$$

$$16 \times 24 + 18 + 24 = 474 \text{ (satisfy)}$$

$$\therefore a + b + c = 16 + 18 + 24 = 58$$

57. (B) Let the work done by 1 man in 1 days
= 1 unit

$$\therefore \text{Total work} = 1 + 2 + 3 + 4 \dots + 15 = 120$$

$$\therefore \text{Required number of days} = \frac{120}{9} = 13 \frac{1}{3}$$

58. (C) Total number of ways

$$= 4 \times 3 \times 2 \times 3 = 72$$

59. (D) Taking option (D)

$$145 \Rightarrow 1 + 4! + 5! = 1 + 24 + 120 = 145$$

60. (B) A.T.Q.,

$$15 = 3 \times 5$$

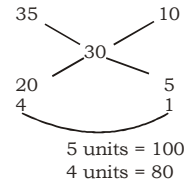
$$20 = 2 \times 2 \times 5$$

$$\text{LCM of 15 and 20} = 60$$

$$\text{and, } 60 \times 3 = 180$$

$$\text{So, number can be} = 3 \times 3, 3 \times 3 \times 5, 3 \times 3 \times 5 \times 2, 3 \times 3 \times 5 \times 2 \times 2.$$

61. (C) Passed Failed



$$\therefore \text{Number of passed candidates} = 80$$

62. (C) ATQ,

$$x^3 - p = (x - 4)(x^2 + 4x + 16)$$

$$\Rightarrow x^3 - p = x^3 - 4^3$$

$$\therefore p = 64$$

63. (D) Volume of the new sphere = sum of volume of all small spheres

$$\frac{4}{3} \pi R^3 = \frac{4}{3} \pi \times \frac{6}{2} \times \frac{6}{2} \times \frac{6}{2} \times 1000$$

$$\Rightarrow R = \frac{60}{2} = 30 \text{ cm}$$

$$\therefore \text{Diameter} = 2R = 60 \text{ cm}$$

64. (D) ATQ,

$$2x + \frac{1}{3x} = 5$$

$$\text{then } 6x^2 + 1 = 15x$$

$$\Rightarrow \frac{5x}{6x^2 + 20x + 1} = \frac{5x}{20x + 15x} = \frac{5x}{35x} = \frac{1}{7}$$

65. (B) ATQ,

$$\pi \times (32)^2 \times h = 44 \times (8)^3$$

$$\Rightarrow h = \frac{44 \times 8 \times 8 \times 8 \times 7}{22 \times 32 \times 32}$$

$$\Rightarrow h = 7$$

\therefore Height of rod = 7 cm

66. (C) ATQ,

$$2\% = ₹ 15$$

$$100\% = \frac{15}{2} \times 100 = ₹ 750$$

\therefore Required M.P. = ₹ 750

67. (C) We know that if last three digits of any number is divisible by 8, than the number is also divisible by 8.

\therefore The Least value of * = 3

68. (B) ATQ,

$$a^2 + b^2 + c^2 = ab + bc + ca$$

$$\Rightarrow a^2 + b^2 + c^2 - ab - bc - ca = 0$$

Multiply by "2" on both sides,

$$2a^2 + 2b^2 + 2c^2 - 2ab - 2bc - 2ca = 0$$

$$\Rightarrow (a-b)^2 + (b-c)^2 + (c-a)^2 = 0$$

$$\therefore a = b = c$$

\therefore The triangle is equilateral.

69 (C) Total C.P $\rightarrow 25 \times 12 \rightarrow ₹ 300$

$$\text{Total SP} \rightarrow (25+5) \times 10.40 = ₹ 312$$

$$\text{Profit \%} = \frac{(312 - 300)}{300} \times 100 = 4$$

70. (C) LCM of 9, 11 and 13 = 1287

$$\text{Remainder} = 6$$

Then the no. is = 1287 + 6 = 1293

\therefore Required no. is = 1294 - 1293

$$= 1$$

71. (B) **A : B B : C**

$$3 : 4 \quad 3.5 : 3$$

$$7 : 6$$

$$\mathbf{A : B : C}$$

$$3 \quad 4 \quad 4$$

$$\frac{7}{21} \quad \frac{7}{28} \quad \frac{6}{24}$$

$$\underline{\underline{21 \quad 28 \quad 24}}$$

Difference between B's and C's share

$$= \frac{4}{73} \times 730 = ₹ 40$$

72. (A) ATQ,

$$\text{C.I.} \rightarrow 24000 \left(1 + \frac{5}{100}\right)^3 - 24000$$

$$= 27783 - 240000$$

$$= ₹ 3783$$

73. (B) Required Percentage

$$= \frac{(80+60+60) - (90+70)}{(90+70)} \times 100$$

$$= \frac{200 - 160}{100} \times 100$$

$$= \frac{40}{160} \times 100 = 25\%$$

74. (B) $\frac{105}{540} \times 360^\circ = 70^\circ$

So, we can say that he scored 105 marks is obtained in Hindi.

75. (A) Science - English

$$= 80^\circ - 60^\circ$$

$$= 20^\circ$$

Difference between Mathematics and Hindi is equal to difference between Science and English.

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76. (B) The main subject in the sentence gives us singular expression. So the use of 'concern' is wrong. The correct verb use is 'concerns'.
77. (B) 'Committee' in the sentence is used as a single entity. Instead of 'have' use 'has'.
78. (C) The correct preposition in the sentence is 'from' not 'of'.
98. (C) Use of 'brightest' will be the correct expression.
99. (B) Use of 'as much as' is the right expression.

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Dismal	dull	निराशाजनक
Enervate	lacking in energy	कमजोर
Slack	characterized by a lack of work or activity	शिथिलता
Forlorn	sad or lonely or helpless	निराश, लाचार
Sycophant	a person who acts Obsequiously	चापलूस
Interlude	an interval	अन्तराल
Nefarious	wicked or criminal	पापी, कुटिल
Irreverence	a lack of respect for people or things that are generally taken seriously	अपमान
Perseverance	persistence in doing something despite difficulty delay in achieving success	हठ, जिद
Manometer	an instrument for measuring the pressure	दाबावमापी
Acrophobia	fear of heights	ऊंचाई से डर
Extempore	spoken or done without preparation	बिना तैयारी के
Obsequious	obedient	चापलूस
Ammeter	an instrument for measuring electric current	धारामापी
Hygrometer	an instrument for measuring the humidity of of the air	आर्द्रतामापी
Seismometer	an instrument that measures and records details of earthquakes	भूकम्पमापी
Aviophobia	fear of flying	हवाई सफर में लगने वाल डर
Cynophobia	fear of dogs	कुत्ते से भय
Hemophobia	fear of blood	खून से डर
Elegy	a poem of serious reflection, typically a el	शोकगीत
Requiem	a musical composition in honour of the dead	शोक गीत
Plaint	an accusation or charge	अभियोग

SSC (GD) MOCK TEST - 19 (ANSWER KEY)

Answer key

1. (C)	11. (B)	21. (C)	31. (D)	41. (A)	51. (B)	61. (C)	71. (B)
2. (B)	12. (D)	22. (D)	32. (B)	42. (C)	52. (D)	62. (C)	72. (A)
3. (D)	13. (D)	23. (D)	33. (C)	43. (A)	53. (D)	63. (D)	73. (B)
4. (B)	14. (A)	24. (D)	34. (B)	44. (A)	54. (C)	64. (D)	74. (B)
5. (C)	15. (C)	25. (D)	35. (B)	45. (C)	55. (A)	65. (B)	75. (A)
6. (D)	16. (C)	26. (D)	36. (B)	46. (A)	56. (C)	66. (C)	
7. (A)	17. (D)	27. (D)	37. (D)	47. (B)	57. (B)	67. (C)	
8. (D)	18. (B)	28. (B)	38. (C)	48. (C)	58. (C)	68. (B)	
9. (C)	19. (A)	29. (C)	39. (A)	49. (B)	59. (D)	69. (C)	
10. (A)	20. (B)	30. (B)	40. (D)	50. (A)	60. (B)	70. (C)	

Hindi

English

76. (B)	86. (C)	96. (C)	76. (B)	86. (C)	96. (B)
77. (A)	87. (D)	97. (C)	77. (B)	87. (B)	97. (A)
78. (D)	88. (D)	98. (B)	78. (C)	88. (A)	98. (C)
79. (A)	89. (C)	99. (A)	79. (C)	89. (C)	99. (B)
80. (C)	90. (B)	100. (B)	80. (B)	90. (B)	100. (A)
81. (B)	91. (C)		81. (D)	91. (A)	
82. (B)	92. (B)		82. (C)	92. (D)	
83. (C)	93. (B)		83. (A)	93. (A)	
84. (B)	94. (A)		84. (D)	94. (C)	
85. (D)	95. (A)		85. (D)	95. (B)	

