

SSC (GD)MOCK TEST – 3 (SOLUTION)

1. (A) Head is the part of human body and **Arc** is the part of **circle**.

2. (C) As, $\frac{PZQW}{NXOU}$

-2

Similarly,

$\frac{FISK}{DGQI}$

-2

3. (A) $7 \Rightarrow (7 \times 2) + 5 = 19$

$10 \Rightarrow (10 \times 2) + 5 = 25$

4. (C) $\frac{16}{20} : \frac{40}{20} :: \frac{20}{20} : \frac{50}{20}$

$\times 2 + \left(\frac{16}{2}\right)$ $\times 2 + \left(\frac{20}{2}\right)$

5. (B) Bigger, Greater and Taller represents the size whereas **Faster** represents the speed.

6. (D)

A	E	I	M	B	F	J	N
+4	+4	+4	+4	+4	+4	+4	+4
C	G	K	O	F	D	K	N
+4	+4	+4	+4	-2	+7	+3	+3

7. (C) $140 = (45 \times 3) + 5$

$110 = (35 \times 3) + 5$

$100 = (30 \times 3) + 10$

$80 = (25 \times 3) + 5$

8. (B) $(24+20) - 2(24-20) = 44 - 8 = 36$

$(15 + 11) - 2(15 - 11) = 26 - 8 = 18$

$(55 + 40) - 2(55 - 40) = 95 - 30 = 65$

9. (D) $13 \Rightarrow 13^2 = 169$ and $31^2 = 961$

$15 \Rightarrow 15^2 = 225$ and $51^2 = 2601$

$12 \Rightarrow 12^2 = 144$ and $21^2 = 441$

10. (B)

J	A	Z	L	E	X	N	I	V	P	M	T	R	Q	R
+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2
+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4

11. (B) $8 \times 7 - 8 + 40 \div 2$

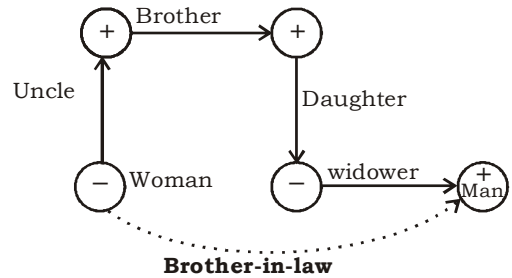
After changing the signs as per the given details,

$8 + 7 \times 8 \div 40 - 2$

$= 8 + 7 \times \frac{1}{5} - 2$

$= 6 + \frac{7}{5} = \frac{37}{5}$

12. (A)



13. (A) $56 \times 11 \Rightarrow 56 - 11 = 45 \Rightarrow 4 + 5 = 9$

$37 \times 13 \Rightarrow 37 - 13 = 24 \Rightarrow 2 + 4 = 6$

$42 \times 12 \Rightarrow 42 - 12 = 30 \Rightarrow 3 + 0 = 3$

$87 \times 77 \Rightarrow 87 - 77 = 10 \Rightarrow 1 + 0 = 1$

14. (D) Let the age of the wife = x

Then, the age of the man = $x + 3$

Age of the son = $\frac{x+3}{4}$

A.T.Q $\frac{x+3}{4} + 3 = 15$

$x = 45$

\therefore Age of his wife = **45** year

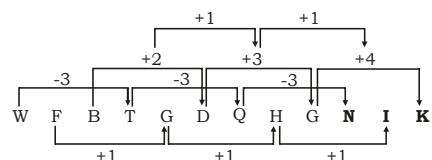
15. (B)

16. (A)

17. (D)

8	15	28	53	102
+7	+13	+25	+49	
+6	+12	+24		
	$\times 2$	$\times 2$		

18. (B)



19. (B)

20. (A)

21. (B) Strength of class = $(14 + 22) - 4$
= 32

22. (D)

23. (C)

24. (A)

25. (B) Only conclusion II follows.

51. (D) Area of the trapizum = $\frac{1}{2}(18+24) \times 12$
= 252 cm²

52. (B) Total number of girls who wear spectacles
= $\frac{1600 \times 30}{100} \times \frac{1}{6} = 80$
 \therefore Required percentage = $\frac{80}{1600} \times 100 = 5\%$

53. (C) ATQ,

$$\frac{(a+b)^2}{(a-b)^2} = \frac{49}{16}$$

$$\Rightarrow \frac{a+b}{a-b} = \frac{7}{4}$$

By componendo and dividendo,

$$\Rightarrow \frac{a+b+a-b}{a+b-a+b} = \frac{7+4}{7-4}$$

$$\Rightarrow \frac{a}{b} = \frac{11}{3}$$

$$\therefore a^2 + b^2 + 3ab = (11)^2 + (3)^2 + 3(11)(3)$$

= 121 + 9 + 99 = 229

54. (A) Required time = LCM of 114 and 152
= 2 × 2 × 2 × 3 × 19 = 456 sec

55. (B) $\frac{2x-3y+1}{2} = \frac{x+4y+8}{3} = \frac{4x-7y+2}{5}$

From eq(i) and eq(ii) term,

$$\frac{2x-3y+1}{2} = \frac{x+4y+8}{3}$$

$$\Rightarrow 4x - 17y = 13 \quad \dots(\text{iv})$$

Now from (i) and (iii)

$$\frac{2x-3y+1}{2} = \frac{4x-7y+2}{5}$$

$$\Rightarrow 10x - 15y + 5 = 8x - 14y + 4$$

 $2x - y = -1 \quad \dots(\text{v})$

Now, from eq(iv) and eq(v) we get,

$$4x - 17y = 13$$

$$\frac{2(2x-y=-1)}{-15y} = 15$$

$$y = -1$$

Putting y in eq(v) we get,

$$2x - (-1) = -1$$

$$x = -1$$

$$\therefore (x+y)^3 = (-1-1)^3 = -8$$

56. (C) Taking option (C)

$$a^2 + 13b^2 + c^2 - 4ab - 6bc = (2)^2 + 13(1)^2 + (3)^2$$

- 4(2) - 6(3)
= 4 + 13 + 9 - 8 - 18 = 0
 \therefore Required ratio = 2 : 1 : 3

57. (C) Let initial amount = x
ATQ,

$$\frac{x \times 25 \times 25 \times 25}{100 \times 100 \times 100} = 4$$

$$\Rightarrow \frac{x}{64} = 4$$

$$\Rightarrow x = 256$$

58. (C) ATQ,

Volume of sphere = volume of cone

$$\Rightarrow \frac{4}{3}\pi(6)^3 = \frac{1}{3}\pi(6)^2H$$

$$\Rightarrow \text{Height of cone} = \frac{4 \times 6 \times 6 \times 6}{6 \times 6} = 24 \text{ cm}$$

59. (D) ATQ,

$$\frac{a^2+b^2}{c^2} = \frac{1}{k}, \frac{b^2+c^2}{a^2} = \frac{1}{k} \text{ and } \frac{c^2+a^2}{b^2} = \frac{1}{k}$$

$$\Rightarrow \frac{c^2}{k} = a^2 + b^2, \frac{a^2}{k} = b^2 + c^2 \text{ and } \frac{b^2}{k} = c^2 + a^2$$

$$\Rightarrow \frac{c^2}{k} + \frac{a^2}{k} + \frac{b^2}{k} = 2(a^2 + b^2 + c^2)$$

$$\Rightarrow \frac{1}{k} = \frac{2(a^2 + b^2 + c^2)}{a^2 + b^2 + c^2}$$

$$\Rightarrow k = \frac{1}{2}$$

60. (D) ATQ,

$$\text{Required time} = \frac{1680 \times 100}{4800 \times 14} = \frac{5}{2} = 2\frac{1}{2} \text{ years}$$

61. (D) Required differene = 97630 - 30679
= 66951

62. (B) ATQ,

$$2x + \frac{2}{9x} = 6$$

On dividing by 2 and multiplying by 3,

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

$$\Rightarrow \left(3x + \frac{1}{3x}\right)^3 = (6)^3$$

$$\Rightarrow 27x^3 + \frac{1}{27x^3} + 3(6) = 216$$

$$\Rightarrow 27x^3 + \frac{1}{27x^3} = 216 - 18 = 198$$

63. (B) Let the length of rectangle = x cm
and, breadth of rectangle = y cm

$$\therefore \text{Diagonal of rectangle} = \sqrt{x^2 + y^2}$$

A.T.Q,

$$xy = 64$$

$$\text{and, } 2(x + y) = 44 \Rightarrow x + y = 22$$

$$\Rightarrow x^2 + y^2 + 2xy = 484$$

$$\Rightarrow x^2 + y^2 = 484 - 128 = 256$$

$$\therefore \text{Length of diagonal} = \sqrt{256} = 16 \text{ cm}$$

64. (A) Required distance = $2(5+6+7+8+9+10+11)$
= 102 miles

65. (C) ATQ,

$$x = (0.25)^{\frac{1}{2}} = 0.5$$

$$y = (0.4)^2 = 0.08$$

$$z = (0.216)^{\frac{1}{3}} = 0.6$$

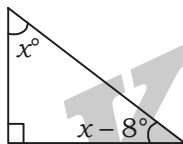
$$\therefore z > x > y$$

66. (C) Required average = $\frac{11 \times 23 - 113}{10} = 14$

67. (C) The corresponding sides of two similar triangles are always similar.

68. (B) Age of the children = $(19 \times 7) - [(19 \times 6) + (6 \times 3)]$
= $133 - (114 + 18)$
= 1 year

69. (D) A.T.Q,



$$\text{Now, } x + x - 12 = 90^\circ$$

$$\Rightarrow 2x = 102^\circ$$

$$\Rightarrow x = 51^\circ$$

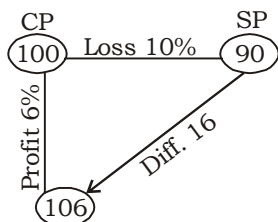
$$\therefore \text{Value of smaller angle} = 51^\circ - 12^\circ = 39^\circ$$

70. (C) ATQ,

$$\text{Simple interest of one year} = 5832 - 5182 = ₹650$$

$$\therefore \text{Required principle} = 5182 - (2 \times 650) = ₹3882$$

71. (C) A.T.Q,



$$\therefore 16 \text{ units} = 200$$

$$\text{and, } 100 \text{ units} = \frac{200}{16} \times 100 = ₹1250$$

72. (B) ATQ,

$$\begin{array}{l} \text{Fare} \quad \quad 5 : 2 \\ \text{Passengers} \quad 4 : 27 \\ \hline \quad \quad \quad 20 : 54 \end{array}$$

$$\text{Required ratio} = 10 : 27$$

$$\therefore \text{Required cost} = \frac{74000}{37} \times 10 = ₹20000$$

73. (C) Required time = $\frac{100 \times 18}{50 \times 5} = 7.2 \text{ sec}$

74. (B) Let the total profit = x
Ratio of Sahil and Rohit profit = 1 : 2
ATQ,

$$\frac{\frac{1}{4}y \times 15}{\frac{3}{4}y \times t} = \frac{1}{2} \quad 30 \Rightarrow y = 3yt$$

$$\Rightarrow t = 10 \text{ months}$$

75. (C) A.T.Q.,

$$\begin{array}{ccc} \text{P} & \text{Q} & \text{R} \\ 2000 \times 12 & : & 2400 \times 8 : 3600 \times 8 \end{array}$$

$$\text{Ratio of investment} = \text{Ratio of profit share}$$

$$\therefore P : Q : R = 5 : 4 : 6$$

$$\text{Share of P} = \frac{5}{15} \times 900 = ₹300$$

76. (B) Add 'themselves' after adapt, because verb adapt take reflexive pronoun after it, if it is not followed by an object.

77. (A) Replace 'me' with 'my', because gerund is used after a possessive adjective.

78. (C) Replace 'sand' with 'sands'. Sands means 'desert', which complete the meaning of the sentence.

98. (D) Everyone is singular word, so it take singular verb with it.

99. (B) When nothing wrong or bad thing happened in the sentence, then pattern 231 is followed. Which means second person followed by third person followed by first person.

100. (D) No improvement the sentence is correct. As who is a subject and whom is an object and the verb sold and was are used for the man and I respectively.

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Acknowledgement	a thing done or given in recognition of something received	अभिस्वीकृति
Adapt	to make fit (as for a new use) often by modification	अनुकूल
Amusing	causing laughter and providing entertainment.	मनोरंजक
Bellicose	favoring or inclined to start quarrels or wars	लड़ाकू
Brigand	one who lives by plunder usually as a member of a band	लुटेरा
Browse	to look over or through an aggregate of things casually especially in search of something of interest	सरसरी नजरें
Churlish	difficult to work with or deal with	अभद्र
Circumstances	a condition, fact, or event accompanying, conditioning, or determining another	परिस्थिति
Coarse	of ordinary or inferior quality or value	अशिष्ट
Counterfeit	made in imitation of something else with intent to deceive	जालसाजी
Courteous	marked by respect for and consideration of others	विनम्र
Declaration	a statement made by a party to a legal transaction usually not under oath	घोषणा
Dispossess	to put out of possession or occupancy	छीन लेना
Divest	to deprive or dispossess especially of property, authority, or title	वंचित करना
Dreadful	extremely bad, distasteful, unpleasant, or shocking	भयानक
Endow	to provide with something freely or naturally	प्रदान करना
Errant	moving about aimlessly or irregularly	भटकनेवाला
Examine	to interrogate closely	जाँच करना
Furrow	a trench in the earth made by a plow	हल चलाना
Gorgette	a sheer crepe woven from hard-twisted yarns to produce a dull pebbly surface	पतला रेशमी कपड़ा
Ignoramus	an ignorant or stupid person	मूर्ख
Incite	to move to action	उत्तेजित करना
Niggardly	provided in meanly limited supply	अल्प
Occult	not easily apprehended or understood	रहस्यमय
Parody	an imitation of the style of a particular writer, artist, or genre with deliberate exaggeration for comic effect.	नकल करना
Praise	an expression of approval	प्रशंसा करना
Profession	the act of taking the vows of a religious community	व्यवसाय
Quell	to thoroughly overwhelm and reduce to submission or passivity	वश में करना
Recommendation	a suggestion or proposal as to the best course of action, especially one put forward by an authoritative body.	सिफारिश
Sonnet	a poem of fourteen lines using any of a number of formal rhyme schemes	14 पंक्तियों की कविता
Trough	a long and narrow or shallow channel or depression	गर्त
Vale	a valley	घाटी
Variegated	having discrete markings of different colors	विभिन्न प्रकार का

SSC (GD) MOCK TEST - 03 (ANSWER KEY)

————— Answer key —————

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

Hindi

English

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



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