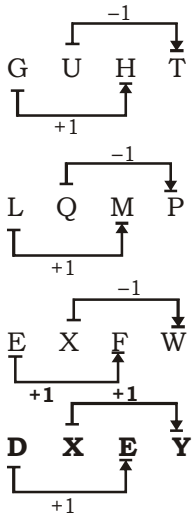
SSC (GD)MOCK TEST – 7 (SOLUTION)

1. (C) As, man has his Biography Similarly Nation has its **History**.
2. (B) Tajmahal is construbuted by Shah Jahan and Gol Gumbaz is constructed by **Muhammad Adil Shah.**
3. (B) As, ME = (13 + 5) × 2 = 36
   Similarly, YOU = (25 + 15 + 21) × 2 = **122**
4. (D) As, 632 ÷ 8 = 79
   Similarly, 736 ÷ 8 = **92**
5. (D)



6. (D) **Diptheria** is caused by bacteria while all others are caused bny virus.
7. (A) $6 \times \left(6+\frac{6}{2}\right) = 54 \neq$ **84**

   $8 \times \left(8+\frac{8}{2}\right) = 96$

   $10 \times \left(10+\frac{10}{2}\right) = 150$

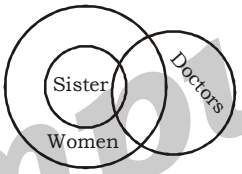
   $12 \times \left(12+\frac{12}{2}\right) = 216$
8. (A) As, (6 + 5) × (7 + 2) = 99
   Similarly, (5 + 4) × (8 + 3) = **99**
9. (B) As, (7 × 3) × (6 + 2) = 168
   and, (2 × 6) × (9 + 5) = 168
   Similarly, (2 × 7) × (8 + **4**) = 168
10. (B)

$2 = 1^2 + 1$ } +1
$6 = 2^2 + 2$ } +1
$12 = 3^2 + 3$ } +1
$20 = 4^2 + 4$ } +1
30 $= 5^2 + 5$ } +1

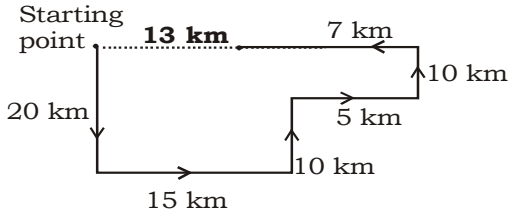
11. (C) Diffence between dates = 5 + 31 + 29 + 1
    = 66

    Then, days $\frac{66}{7}$ = 9 work + 3 days

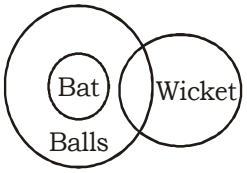
    Hence, on 1 March, 2012 is **Thursday**.
12. (C)
13. (D) As, (3 × 2) + (4 × 8) = 38
    and, (4 × 3) + (2 × 3) = 18
    Similarly, (6 × 7) + (3 × 4) = **54**
14. (B) Let, Q = x years
    P → x + 6
    Q → x
    R → x + 9
    S → x − 1
    T → x + 6
    Hence, S is smallest.
15. (B)
16. (C)



17. (B) 0 −2 2 0 4 2 **6**
    −2 +4 −2 +4 −2 +4
18. (B) IJK , **PQR** , XYZ , GHI
    +7 +8 +9
    +1 +1
19. (B)
20. (A)
21. (D)



    Hence, required distance and direction = **13 km East**.
22. (D)
23. (A)
24. (B) Number of triangles = 15
25. (D)



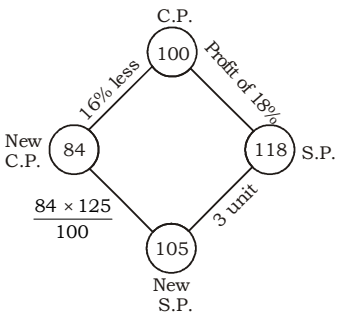
51. (C) A.T.Q.,
Required percentage
$$= \frac{\frac{1400\times35}{100}+\frac{1300\times42}{100}}{2700}\times100$$
$$= 38.37\%$$

52. (C)

Zinc	:	Alloy
18	:	100
9	:	50
$\downarrow\times19$		$\downarrow\times19$
171	:	950

$\therefore$ Required amount of alloy = 950 kg.

53. (A) A.T.Q.,



$\therefore$ 13 units = ₹ 26
100 units = $\frac{26}{13}\times100$ = ₹ 200
$\therefore$ Required selling price
$$= \frac{200\times135}{100} = ₹\ 270$$

54. (B) Two successive discounts
$$= 34 + 6 - \frac{34\times6}{100}$$
$$= 40 - 2.04.$$
Required difference = (40 – 40 + 2.04)%
$$= \frac{127500\times204}{100\times100}$$
= ₹ 2601

55. (D) Let amount = 100
Total interest
$$= \frac{40\times20}{100}+\frac{30\times15}{100}+\frac{30\times18}{100} = 17.9$$
$\therefore$ Required rate = $\frac{17.9\times100}{100} = 17.9\%$

56. (B) Simple intrest on ₹ 18000
$$= \frac{18000\times16\times18}{100\times12} = ₹\ 4320$$
$\therefore$ Required amount = ₹ 26000 + ₹ 4320
= ₹ 30320

57. (C)

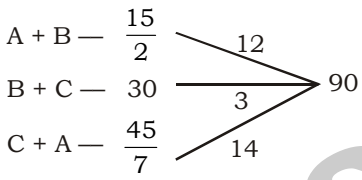
	Water	Sugar	Salt	Milk	
First mixture	4	3	2		$=9_{\times4}$
Second mixture	6	5		1	$=12_{\times3}$

$\therefore$ Required amount = $\frac{3}{72} = \frac{1}{24}$

58. (D) Let the number = x
A.T.Q.,
$$\frac{8+x}{9+x}=\frac{17+x}{19+x}$$
$\Rightarrow 152 + 19x + 8x + x^2 = 153+17x + 9x + x^2$
$\Rightarrow x = 1$

59. (C) A.T.Q.,
(3M + 2W) × 15 = (3M + 5W) × 8
$\Rightarrow$ 45M + 30W = 24M + 40W
$\Rightarrow$ 21M = 20W
$\Rightarrow$ 21M = 10W
Now, 21 man will get = 21 × 350
= ₹ 7350
$\therefore$ One woman will get = $\frac{7350}{10}$ = ₹ 735

60. (B) ATQ,



$\therefore$ Required time = $\frac{90\times2}{29}=6\frac{6}{29}$ days

61. (C)
$$700\overline{)8050}(1$$
$$1050\overline{)7000}(6$$
$$700\overline{)1050}(1$$
$$350\overline{)700}(2$$
$$\times$$
$\therefore$ HCF = 350
$\therefore$ Maximum wages = ₹ 350

62. (C)

Diameter	Pipe 1		Pipe 2
	2R	:	4R
	$\pi(2R/2)^2$	:	$\pi(4R/2)^2$
	πR^2	:	$4\pi R^2$
Efficiency	1	:	4
Time	4	:	1
	$\downarrow\times9.5$		$\downarrow\times9.5$
	38	:	9.5

$\therefore$ Reaquired time = 9.5 minutes

63. (A) Let x and y are two fracitons.
A.T.Q.
$$xy = \frac{14}{15} \quad \ldots\ldots \text{(i)}$$
and, $\frac{x}{y}=\frac{35}{24}$ ..... (ii)
From equation (i) and (ii)

$\Rightarrow x^2 = \frac{49}{36}$

$\Rightarrow x = \frac{7}{6}$

and, $y = \frac{24}{35} \times \frac{7}{6} = \frac{4}{5}$

$\therefore$ x is the greater fraction.

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

$$\frac{5\sqrt{5} \times 5^3}{5^{-\frac{3}{2}}} = 5^{a+2}$$

$\Rightarrow 5\sqrt{5} \times 5^3 \times 5^{\frac{3}{2}} = a + 2$

$\Rightarrow 5^3 \times 5^3 = a + 2$

$\Rightarrow a + 2 = 6$

$\Rightarrow a = 4$

65. (A) A.T.Q.,

$$\left[\left(1+\frac{9}{82}\right)\left(1+\frac{9}{82}\right)-\left(1-\frac{9}{82}\right) \div \left(1-\frac{9}{82}\right)\right]$$

$$\left[\left(1-\frac{9}{82}\right)+\left(1+\frac{9}{82}\right)\right]$$

$$= \left[\left(\frac{91}{82}\right)\times\left(\frac{91}{82}\right)-\left(\frac{73}{82}\right)\left(\frac{73}{82}\right)\right] \div \left[\frac{73}{82}+\frac{91}{82}\right]$$

$$= \left[\frac{8281-5329}{82}\right] \times \frac{82}{164}$$

$$= \frac{2952}{164} = 18$$

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

$x^5 - 18x^4 + 18x^3 - 18x^2 + 18x - 1$

$= x^5 - 17x^4 - x^4 + 17x^3 + x^3 - 17x^2 - x^2 + 17x + x - 1$

$= x^4 (x - 17) - x^3 (x - 17) + x^2 (x - 17) - x (x - 17) + x - 1$

$= 0 - 0 + 0 - 0 + 17 - 1 = 16$

67. (B) $x = 5 - \sqrt{21}$

$2x = 10 - 2\sqrt{21}$ ..... (i)

$\Rightarrow 2x = \left(\sqrt{7} - \sqrt{3}\right)^2$

$\Rightarrow \sqrt{x} = \frac{1}{\sqrt{2}}\sqrt{\left(\sqrt{7}-\sqrt{3}\right)^2}$

$\Rightarrow \sqrt{x} = \frac{1}{\sqrt{2}}\left(\sqrt{7} - \sqrt{3}\right)$

Now,

$$\frac{\sqrt{x}}{\sqrt{32-2x}-\sqrt{21}} = \frac{1}{\sqrt{2}} \times \frac{\sqrt{7}-\sqrt{3}}{\sqrt{32-(10-2\sqrt{21})}-\sqrt{21}}$$

$$= \frac{\sqrt{7}-\sqrt{3}}{\sqrt{2}\left(\sqrt{22+2\sqrt{21}}-\sqrt{21}\right)}$$

$$= \frac{\sqrt{7}-\sqrt{3}}{\sqrt{2}\left(\sqrt{\left(\sqrt{21}+1\right)^2}-\sqrt{21}\right)}$$

$$= \frac{\sqrt{7}-\sqrt{3}}{\sqrt{2}\left(\sqrt{21}+1-\sqrt{21}\right)}$$

$$= \frac{\sqrt{7}-\sqrt{3}}{\sqrt{2}}$$

68. (D) Required average $= \frac{38 \times 9 - 6}{8} = 42$ years

69. (D) Required average

$$= \frac{3.3+0.03+0.302+0.003+0.33+3.301}{6}$$

$$= \frac{7.266}{6} = 1.211$$

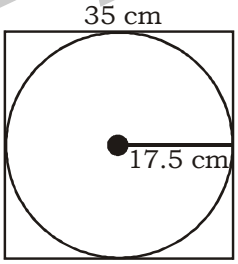
70. (B) Let the number = x

ATQ,

$x \times \frac{2}{3} \times \frac{60}{100} = 36$

$\Rightarrow x = 90$

71. (D) A.T.Q.



$\therefore$ Required area $= (35)^2 - \pi (17.5)^2$

$= 1225 - 306.25 = 81875$ cm^2

72. (A) A.T.Q.,

$\sqrt{37^2 - 35^2} = \sqrt{144} = 12$

Hence, this is right angled triangle.

Area of the triangle $= \frac{1}{2} \times 37 \times 35$ cm^2

Area of another triangle

$= 2 \times \frac{1}{2} \times 35 \times 37$ cm^2

Now, $35 \times 37 = \frac{1}{2} \times h \times 42$

$\Rightarrow$ h = 61.67

$\therefore$ Height of triangle = 61.67 cm

73. (B) ATQ,

Total sum

$$= 1800 \times \frac{12}{100} \times \frac{5}{12} + 1800 \times \frac{18}{100} \times \frac{2}{3} + 1800 \times \frac{15}{100} \times \frac{8}{15} + 1800 \times \frac{35}{100} \times \frac{11}{14} + 1800 \times \frac{20}{100} \times \frac{3}{5}$$

$$= 90 + 216 + 144 + 495 + 216 = 1161$$

$$\text{Required average} = \frac{1161}{5} \cong 232$$

74. (A) ATQ,

Required number

$$= 1800 \times \frac{12}{100} \times \frac{7}{12} + 1800 \times \frac{35}{100} \times \frac{3}{14}$$

$$= 126 + 135 = 261$$

75. (A) ATQ,

Girls in Tennis : Boys in Swimming

$$1800 \times \frac{20}{100} \times \frac{3}{5} : 1800 \times \frac{18}{100} \times \frac{1}{3}$$

$$2 : 1$$

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

76. (D) No error
77. (B) Replace 'each of the boy' with 'each boy', and replace 'boy' with 'boys'. Because 'each of the' is followed by plural noun.
78. (B) Replace 'do' with 'doing'. 'Capable' is characterized with the preposition 'of' and is followed by a gerund form of verb (V1 + ing)
98. (B) 'Raises' should be replaced with raised. Because here 'Past Participle' is needed which gives the passive meaning.
99. (B) (Having + V3) active perfect participle is required for the subject 'the explorers', not 'Passive Perfect Participle' (Having + been + V3).
100. (B) 'Under a tree' is correct but 'under the shade of tree' is not correct. For shade 'in the shade of tree' is correct.

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Stipulate	to demand or express term in an agreement	निर्धारित, अनुबद्ध
Groped	to look for something blindly or uncertainly	टटोलना
Console	give comfort or sympathy to	दिलासा देना
Reminiscent	suggest something in the past	स्मरणकारी
Moribund	in a dying state; near death	मरणासन्न
Dwarf	person much smaller than usual size	बौना
Nihilism	total rejection of all religious and moral beliefs	नास्तिकवाद
Sawdust	tiny bits of wood	बुरादा
Commuter	person who travels regularly	यात्रियों
Cryptic	secret with a hidden meaning	गुप्त
Gallant	brave, behaves well with women	वीर
Grapple	engage in close fight or struggle without weapons	हाथापाई करना
Grove	a planting of fruit or nut trees	वृक्षवाटिका
Emancipation	freeing of someone from slavery	बन्धनमुक्ति
Engross	absorb all the attention or interest of	तल्लीन
Engender	to cause to exist or to develop	उत्पन्न होना
Beget	to produce especially as an effect or outgrowth	जनना
Petulant	childishly silly or bad-tempered	झक्की, ढ़ीठ
Peevish	having or showing an irritable disposition	चिड़चिड़ा, झगड़ालू
Penurious	extremely poor, poverty stricken	गरीब, तंगहाल
Knack	an acquired skill at doing something	कौशल, आदत
Flair	a special or instinctive aptitude or ability for doing something well	सुरूचि
Kook	mad or eccentric person	पागल
Sane	a sound mind	समझदार
Peculiar	different to what is normal; strange	अजीब अनुठा
Disgruntle	angry or dissatisfied	असंतुष्ट
Reconcile	restore friendly relation	मेल-मिलाप करना
Sunder	split apart	अलग करना
Faddish	having a nature of fad	पुराना होना, धुधला होना
Vogue	the prevailing fashion	प्रचलन
Modish	conforming to what is currently popular and fashionable	फैशन वाला, बना-ठना

SSC (GD) MOCK TEST - 07 (ANSWER KEY)

Answer key

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

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