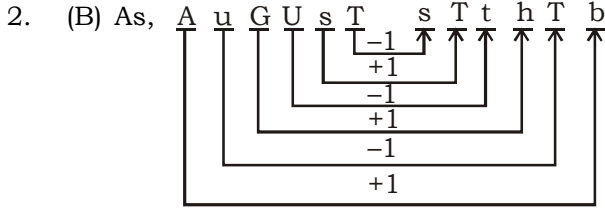
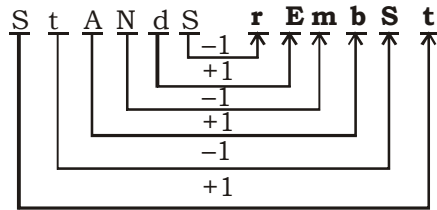


**SSC (GD)MOCK TEST – 14 (SOLUTION)**

1. (A) Rent is taken on house while **interest** is given an capital.



Similarly,



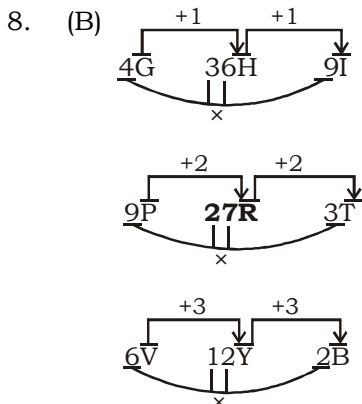
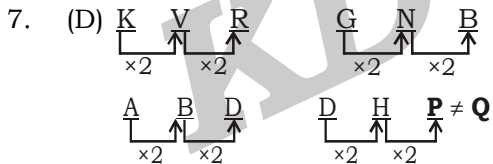
3. (A) As,  $77 - 18 \Rightarrow 11 \times 7 - (11 + 7)$   
Similarly,  $221 - 30 \Rightarrow 17 \times 13 - (17 + 13)$

4. (C) As,  $\frac{9 \times 9 \times 9}{3} = 81$

Similarly,  $\frac{12 \times 12 \times 12}{3} = 576$

5. (C) **Europe** is a continent, so it does not have a particular.

6. (B) Only **water (H<sub>2</sub>O)** has its chemical formula.



9. (A) As,  $\frac{16}{4} = \frac{32}{8} = 4$

And,  $\frac{8}{4} = \frac{4}{2} = 2$

Similarly,  $\frac{27}{9} = \frac{12}{4} = 3$

10. (C)  $8, 22, 64, 190, 568$   
 $\times 3-2 \quad \times 3-2 \quad \times 3-2 \quad \times 3-2$

11. (A)

12. (C) As,  $2015 \Rightarrow (17)^3 - (17)^2 - 17$

$5490 \Rightarrow (18)^3 - (18)^2 - 18$

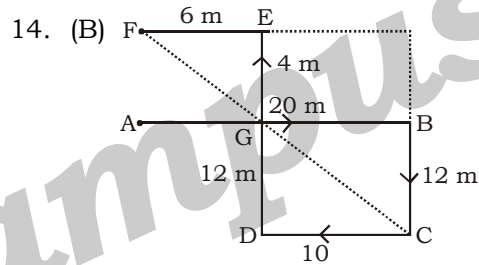
and,  $6479 \Rightarrow (19)^3 - (19)^2 - 19$

Similarly,  $2534 \Rightarrow (14)^3 - (14)^2 - 14$

13. (B)  $18 - 48 \div 882 + 18 \times 300$

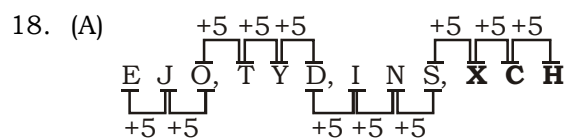
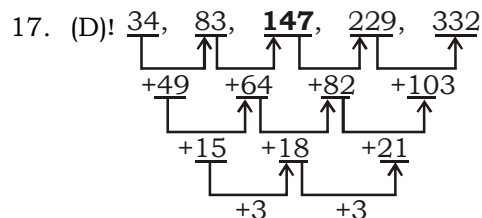
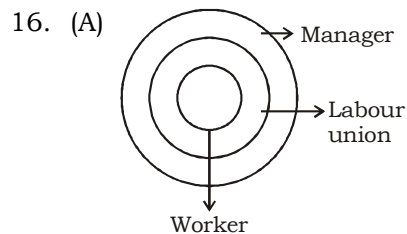
After changing the signs according to question,

$18 \times 48 + 882 \div 18 - 300$   
 $= 864 + 49 - 300 = 613$



Required distance =  $\sqrt{16^2 + 16^2}$   
 $= \sqrt{256 + 256} = 16\sqrt{2} \text{ m}$

15. (B) **Arctically**



19. (B) Required number of students = 15

20. (A) B **E** D F C A  
1 2 3 4 5 6

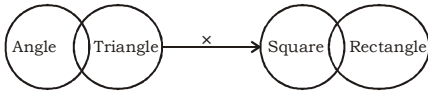
21. (A) Required order-  
C, M, E, C, M, P, **E**, P, P, C

22. (A)

23. (B)

24. (D)

25. (A)



∴ Either conclusion I or II follows.

51. (C) Let the number of  $x$  and  $y$   
 $xy = 1575$

$$\text{and } \frac{x}{y} = \frac{9}{7}$$

$$xy \times \frac{x}{y} = 1575 \times \frac{9}{7}$$

$$\Rightarrow x^2 = 2025 \Rightarrow x = 45$$

$$\therefore xy = 1575 \Rightarrow y = 35$$

$$\therefore x + y = 45 + 35 = 80$$

52. (C)  $\frac{67^{67} + 67}{68} = \frac{(-1)^{67} + 67}{68} = 66$  its remainder

53. (C) Expression =  $3011 \times 3012$   
 $= 3011(3011 + 1)$   
 $= (3011)^2 + 3011$

∴ Required answer = 3011

54. (C) ATQ,

$$a^2 + b^2 + c^2 = 2(a - b - b) - 3$$

$$\Rightarrow a^2 + b^2 + c^2 - 2a + 2b + 2c + 1 + 1 + 1 = 0$$

$$\Rightarrow (a^2 - 2a + 1) + (b^2 + 2b + 1) + c^2 + 2c + 1 = 0$$

$$\Rightarrow (a - 1)^2 + (b + 1)^2 + (c + 1)^2 = 0$$

$$\Rightarrow a = 1, b = -1, c = -1$$

$$\therefore (a - b + c) = 1 + 1 - 1 = 1$$

55. (D) ATQ,

$$a^4 + a^2b^2 + b^4 = (a^2 + ab + b^2)(a^2 - ab + b^2)$$

$$\Rightarrow 8 = 4(a^2 - ab + b^2)$$

$$\Rightarrow a^2 - ab + b^2 = 2 \dots\dots(i)$$

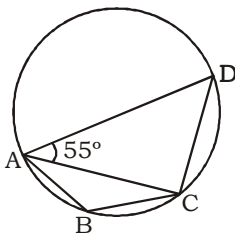
$$\Rightarrow a^2 + ab + b^2 = 4 \dots\dots(ii)$$

On solving equation (i) and (ii)

$$a^2 + ab + b^2 - a^2 + ab - b^2 = 4 - 2$$

$$\Rightarrow 2ab = 2 \Rightarrow ab = 1$$

56. (C) ATQ,



Clearly,  $\Delta ACD = 90^\circ$

Angle is semicircle,

$$\therefore \angle ADC = 90^\circ - 55^\circ = 35^\circ$$

$$\angle ABC = 180^\circ - 35^\circ = 145^\circ$$

∴ ABCD is a cyclic quadrilateral.

57. (D) Clearly,

$$l = 2\pi r_1 = \frac{60^\circ}{360^\circ} = 2\pi r_2 = \frac{75^\circ}{360^\circ}$$

$$r_1 : r_2 = 5 : 4$$

58. (D) Speed of the train =  $\frac{(a+1)(b+1)-a \times b}{(b+1)-b}$

$$= (a + b + 1) \text{ m/sec}$$

59. (A) ATQ,

$$\frac{A}{C} = \frac{A}{B} \times \frac{B}{C} = \frac{3}{4} \times \frac{5}{7} = \frac{15}{28}$$

$$\frac{B}{D} = \frac{B}{C} \times \frac{C}{D} = \frac{5}{7} \times \frac{8}{9} = \frac{40}{63}$$

$$\frac{A}{D} = \frac{A}{B} \times \frac{B}{C} \times \frac{C}{D} = \frac{3}{4} \times \frac{5}{7} \times \frac{8}{9} = 10 : 21$$

Hence, all are true.

60. (B)

	Initial	Final
p	4	5
q	5	8
r	10	9
	<u>5</u>	<u>9</u>
		+4

$$\text{i.e., increase in } m = \frac{4}{5} \times 100 = 80\%$$

$$u \quad 5 \quad 6$$

$$v \quad 2 \quad 3$$

$$\frac{uv}{uv} \quad \frac{5}{5} \quad \frac{9}{9}$$

$$\text{i.e., increase in } m = \frac{4}{5} \times 100 = 80\%$$

61. (B) CP of article =  $\frac{(20+4)}{4} \times 120 = ₹ 720$

$$\therefore \text{Required profit \%} = \frac{800 - 720}{720} \times 100$$

$$= \frac{100}{9} = 11 \frac{1}{9} \%$$

62. (D) Let average score before 17<sup>th</sup> innings =  $x$   
ATQ,

$$16x + 85 = (x + 3)17$$

$$\Rightarrow x = 34$$

$$\therefore \text{Required average after 17 innings}$$

$$= 34 + 3 = 37$$

63. (C) 
$$\begin{matrix} A & 20 & \sum & 3 & \text{Work done by A and B in 7 days} & = (2+3) \times 7 = 35 \\ B & 30 & \sum & 2 & \text{Remaining work done by C in 10 days} & = (60-35) = 25 \end{matrix}$$

Efficiency of C =  $\frac{25}{10} = 2.5$

So, can do work =  $\frac{60}{2.5} = 24$  days

64. (D) 1 : 1.44

$\sqrt[3]{100} : \sqrt[3]{144}$

10 : 12

2

$\therefore r = \frac{2}{10} \times 100 = 20\%$

65. (A) Science : Maths : English

1 : 3 : 2 = 6  $\xrightarrow{\times 30}$  180

$\downarrow \times 30$

30

66. (A) Value of 13<sup>th</sup> result  
= 13 (70 + 65) - 25 × 65 = 86

67. (C) Let the number = x

ATQ,

$\frac{x \times 42}{100} = \frac{x \times 19}{100} + 195.5$

$\Rightarrow 23x = 19550$

$\Rightarrow x = 850$

68. (C) Let the speed of boat = x km/hr  
Speed of stream = y km/hr

and let  $\frac{1}{x+y} = V$  and  $\frac{1}{x-y} = U$

ATQ,

$\frac{15}{x-y} + \frac{21}{2(x+y)} = \frac{13}{4}$  .....(i)

and,  $\frac{12}{x-y} + \frac{14}{x+y} =$  .....(ii)

On solving equation (i) and (ii),

$U = \frac{1}{6}$  and  $V = \frac{1}{14}$

$\therefore x = 10$  and  $y = 4$

$\therefore$  Speed of stream = 10 km/hr

69. (B) Let the amount lent = x

ATQ,

$\frac{x \times 6 \times 16}{100} = x - 180$

$\Rightarrow 96x = 100x - 18000$

$\Rightarrow 4x = 18000$

$\Rightarrow x = 4500$

70. (C) Let the 5 consecutive odd numbers  
= x, x + 2, x + 4, x + 6 and x + 8

ATQ,

$x + x + 2 + x + 4 + x + 6 + x + 8 = 5A$

$\Rightarrow 5x = 5A - 20$

$\Rightarrow x = A - 4$

$\therefore$  Required average

$$= \frac{A-4+A-2+A+A+2+A+4+A+6+A+8+A+10+A+12+A+14}{10}$$

$$= \frac{10A + 50}{10} = A + 5$$

71. (D) ATQ,

$a_6 = a + (6-1)d$

$\therefore 13 = a + 5d$

and  $-5 = a + 8d$

Solving equation (i) and (ii)

$3d = -18$

$\Rightarrow d = -6$

$\therefore a = 43$

$\therefore$  Required sum ( $S_{13}$ )

$$= \frac{17}{2} (2 \times 43 + 16 \times (-6))$$

$$= \frac{17}{2} \times (-10) = -85$$

72. (B) Exp. of cloth = 825

$\therefore 36^\circ = 825$

$360^\circ = 825 \times 10 = 8250$

So, total expenditure =  $360^\circ = ₹8250$

73. (A) Total expenditure = 360°

Saving = 54°

Required % =  $\frac{54}{360} \times 100 = 15\%$

74. (B) Required ratio

Food

Miscellaneous

108°

72°

Required ratio = 3 : 2

75. (A)  $\frac{36+90}{2} = 63^\circ$

$360^\circ = 8250$

$\Rightarrow 63 = \frac{8250}{360} \times 63 = ₹1443.75$

76. (B) Replace 'where you were' with 'where he was'. As it is a statement (what he asked), so it will follow assertive sentence rules.
77. (A) Replace 'advancement' with 'advent'.  
Advancement = the process of promoting a cause or plant  
Advent = the arrival of notable person or thing.
78. (C) More than one degree can not be used for single subject. So remove more from the sentence.
98. (C) The gerund form of the verb 'cry' is 'crying'. It's no use/no good + gerund form of verb is correct.
99. (C) Fall through = come to nothing fail. Hence denotes the failure of the trip.
100. (A) Put on means to wear something or cover with something, and for makeup we use put on.

## MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Inflict	cause (something unpleasant) to be suffered by someone or something.	थोपना
Inherit	receive (money, property) as an heir at the death of the previous holder	वारिस
Break off	to stop doing something, especially speaking	टूट गया
Break down	(of a machine or motor vehicle) suddenly cease to function	खराबी
Break into	enter or open (a place) forcibly, especially for the purposes of theft.	जबरदस्ती घुस आना
Break up	disintegrate or disperse	संबंध विच्छेद
Vicarious	experienced in the imagination through the feelings or actions of another person	प्रतिनिधिक
nostalgic	feeling, evoking, or characterized by nostalgia	उदासीन
vindictive	having or showing a strong or unreasoning desire for revenge.	प्रतिरोधी
craven	contemptibly lacking in courage; cowardly.	डरपोक
debonair	confident, stylish, and charming.	खुशमिजाज
candid	truthful and straightforward; frank.	खरा
recline	lean or lie back in a relaxed position with the back supported.	झुकना
erect	rigidly upright or straight.	खरा
forthwith	(especially in official use) immediately; without delay	तुरंत
enslave	make (someone) a slave.	वश में रखना
recuperate	recover from illness or exertion.	स्वस्थ हो जाना
relapse	deteriorate after a period of improvement.	पतन
vandalize	deliberately destroy or damage (public or private property).	उपद्रव मचाना
reverent	feeling or showing deep and solemn respect.	श्रद्धालु
shrimp	a small free-swimming crustacean with an elongated body	झींगा
rant	to talk in a noisy, excited, or declamatory manner	शेखी

**SSC (GD) MOCK TEST - 14 (ANSWER KEY)**

**Answer key**

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

**Hindi**

**English**

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

