

# SBI PO Pre Memory Based Mock (Based on Papers of 20th November 2021)

#### S1. Ans.(b)

**Sol.** On referring to the last line of the second paragraph, we can infer that curiosity stimulates people to explore different things in both their inner experience and the world around them. Thus, the author refers to curiosity as the engine of innovation. Hence, option (b) is the right answer choice.

### S2. Ans.(c)

**Sol.** On referring to the starting line of the second paragraph, we can infer that the author encourages us to be grateful for all those who are keen to know because some of their research and discoveries have helped us all. Hence, option (c) is the right answer choice.

#### S3. Ans.(e)

**Sol.** On reading the italicized quotation thoroughly, we can infer that only (a) and (c) are correct with reference to the context of the given question. While statement (b) is incorrect as curiosity doesn't come to an end when its inherent purpose for being is accomplished. Hence, option (e) is the right answer choice.

#### S4. Ans.(d)

**Sol.** On referring to the starting line of the fourth paragraph, we can infer that a curious person's life never gets monotonous because they always have something fresh to learn and explore. Hence, option (d) is the right answer choice.

#### S5. Ans.(e)

**Sol.** On reading the given thoroughly, we can conclude that all of the given statements are correct based on the information provided in the given passage. Thus, none of the given statements is incorrect. Hence, option (e) is the right answer choice.

#### S6. Ans.(b)

**Sol.** Among the given words, 'dwindling' which means 'diminishing gradually in size, amount, or strength' is the most appropriate antonym of the highlighted word. Hence, option (b) is the right answer choice. The word 'PROGRESSIVE' means happening or developing gradually or in stages.

(a) Exasperate means irritating and frustrating (someone) intensely.

(c) Augmenting means make (something) greater by adding to it; increase.

(d) Cumulative means increasing or increasing in quantity, degree, or force by successive additions.

#### **S7.** Ans.(b)

**Sol.** The concerned sentence states that in any business setting, it is critical that individuals continue to seek out innovative methods of doing things in order to stay ahead of the competition. Thus, we can infer that 'exploring' is the most appropriate option to replace the word 'satisfying'. Hence, option (b) is the right answer choice. Satisfying means giving fulfillment or the pleasure associated with this. While exploring means inquiring into or discussing (a subject) in detail.

(a) Pleasing means satisfying or appealing.

(c) Impeding means delaying or preventing (someone or something) by obstructing them; hindering.

(d) Mitigating means lessening the gravity of an offence or mistake.



## S8. Ans.(b)

**Sol.** The words that appropriately fit into the blanks to give the sentence a logical sense are: global, impact.

World-wide: extending or reaching throughout the world.

Global: affecting the whole world

Outcome: the result or effect of an action or an event

Impact: an effect or impression

Ongoing: continuing to exist now

## S9. Ans.(a)

**Sol.** The words that appropriately fit into the blanks to give the sentence a logical sense are: assured, loyalty.

Assured: believing that you can do something or succeed at something; confident

Loyalty: faithfulness to commitment, obligation Exempted: to say officially that somebody does not have to do something or pay for something

Allegiance: support for a leader, government, belief, etc.

Treason: the criminal act of causing harm to your country

Confirmed: fixed in a particular habit or way of life

## S10. Ans.(b)

**Sol.** The words that appropriately fit into the blanks to give the sentence a logical sense are: comparison, showed.

Mismatch: a combination of things or people that do not go well together

Comparison: an act of comparing

Reveal: to make something known that was secret or unknown before

Showed: to let somebody see somebody/ something

Data: facts or information

Suggest: to mention a plan or an idea that you have for somebody to discuss or consider

Feature: an important or noticeable part of something

Contrast: comparison between two people or things that shows the differences between them

## S11. Ans.(e)

**Sol.** The words that appropriately fit into the blanks to give the sentence a logical sense are: decline, dismiss.

Efflux: the flowing out of a substance or particle. Elevated: to move somebody/something to a higher place or more important position

Decline: to become weaker, smaller or less good Promote: to encourage something; to help something to happen or develop

Influx: large numbers of people or things arriving suddenly

Fire: to remove an employee from a job Surge: a sudden strong swelling

Dismiss: to order an employee to leave his/her job Decline: to become weaker, smaller or less good

## S12. Ans.(a)

**Sol.** The words that appropriately fit into the blanks to give the sentence a logical sense are: shortage and embargo.

Shortage: a situation where there is not enough of something

Embargo: an official order to stop doing business with another country

Deterrent: something that should stop you doing something

Sanction: an official order that limits business, contact, etc.

Abundance: a very large quantity of something

Deficiency: the state of not having enough of something; a lack

Permit: to allow somebody to do something or to allow something to happen.

## S13. Ans.(b)

**Sol.** The correct rearrangement for this sentence is: BCDA. Thus, the correct sentence will be: "There is reason for optimism in India's battle against the COVID-19 pandemic as daily new coronavirus cases have dipped to a nine-month low."

## S14. Ans.(d)

**Sol.** The correct rearrangement for this sentence is: CABD. Thus, the correct sentence will be:

"Although she has an opinion on the matter, Brenda won't interfere in the company's internal issues without being asked"

### S15. Ans.(e)

**Sol.** The sentence is meaningful and coherent, thus, required no change.

## S16. Ans.(c)

**Sol.** The correct rearrangement for this sentence is: DCBEA. Thus, the correct sentence will be:" The abolition of smoking in restaurants is a blessing to people like myself who suffer from allergies and asthma."

## S17. Ans.(c)

**Sol.** The correct rearrangement for this sentence is: DAECB. Thus, the correct sentence will be:" Because we had more than we needed, we decided to sacrifice our Christmas gifts by offering them to the less fortunate."

### S18. Ans.(d)

**Sol.** The correct choice is option (d). All sentences are incorrect except sentence (C). In sentence (A), 'prefer than' should be 'prefer to'. In sentence (B), 'emphasis in' should be 'emphasis on'.

### S19. Ans.(a)

**Sol.** The correct choice is option (a). All sentences are incorrect except sentence (A). In sentence (B), 'its' should be replaced with 'their'. In sentence (C), 'despite of' should be 'despite' as despite is never followed by 'of'.

### S20. Ans.(d)

**Sol.** The correct choice is option (d). All sentences are incorrect except sentence (B). In sentence (A), 'have' should be replaced 'has' and in sentence (C), 'Much' should be replaced 'many' as we use 'much' if the noun is non-countable and use 'many' if the noun is countable

### S21. Ans.(b)

**Sol.** The correct choice is option (b). Only sentence (B) has an error where 'Canada' should be replaced with 'Canadian'.

### S22. Ans.(e)

**Sol.** The correct choice is option (e). None of the given sentence is error free. In sentence (A), 'increasing' should be 'increasingly' as we need adverb here. In sentence (B), 'was' should be 'were'. In sentence (C), 'city' should be 'cities' as we need plural noun here.

### S23. Ans.(e)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

### S24. Ans.(e)

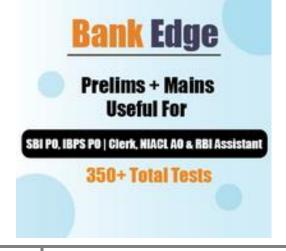
**Sol.** The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

#### S25. Ans.(c)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

#### S26. Ans.(e)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.



### S27. Ans.(c)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

### S28. Ans.(d)

Sol. "Take off" means "to leave or start flying". Thus, the only sentences that correctly represent the meaning are: (A) and (B).

### S29. Ans.(a)

Sol. "up in the arm" means "protesting angrily about something". Thus, the only sentence that correctly represent the meaning is option (A).

### S30. Ans.(c)

Sol. "On cloud nine" means "extremely happy". Thus, the only sentence that correctly represent the meaning is option (C).

## S31. Ans.(c)

**Sol.** Total ovens sold by C & D = 1200 - (240 + $1200 \times \frac{45}{100} + 1500 - \left(300 + 1500 \times \frac{56}{100}\right)$ = 420 + 360 = 780Total number of refrigerators sold by A & D  $= 500 \times \frac{32}{100} + 1500 \times \frac{56}{100} = 160 + 840 = 1000$ Required percentage =  $\frac{1000-780}{1000} \times 100 = 22\%$ 

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S32. Ans.(e) Sol. Total number of ovens sold by B & D =  $800 - (96 + 800 \times \frac{48}{100}) + 1500 - (300 + 1500 \times \frac{56}{100})$ = 320 + 360 = 680Total number of refrigerators sold by C =  $1200 \times \frac{45}{100} = 540$ Required difference =  $540 - \frac{680}{2} = 200$ 

### S33. Ans.(e)

**Sol.** Total refrigerators sold by store X =  $1500 \times \frac{56}{100} \times \frac{125}{100} = 1050$ Total ovens sold by store X =  $[500 - (100 + 500 \times \frac{32}{100})] \times \frac{11}{8} = 330$ Required sum = 330 + 1050 = 1380

**S34. Ans.(b) Sol.** Total AC's sold by C & D together = 240 + 300 = 540 Total AC's & refrigerators sold by B =  $800 \times \frac{48}{100} + 96 = 480$ Required ratio = 540 : 480 = 9 : 8

### \$35. Ans.(d)

Sol. Total refrigerators sold by A & C =  $500 \times \frac{32}{100} + 1200 \times \frac{45}{100}$ = 160 + 540 = 700Total ovens sold by C =  $1200 - (240 + 1200 \times \frac{45}{100}) = 420$ Required percentage =  $\frac{700 - 420}{420} \times 100$ =  $\frac{280}{420} \times 100 = 66\frac{2}{3}\%$ 

S36. Ans.(b) Sol. I.  $x^2 - 6x + 8 = 0$  $x^2 - 4x - 2x + 8 = 0$ x(x - 4) - 2(x - 4) = 0(x - 2) (x - 4) = 0x = 2, 4

II.  $v^2 + 8v + 15 = 0$  $y^2 + 5y + 3y + 15 = 0$ y(y + 5) + 3(y + 5) = 0(y + 3)(y + 5) = 0y = -3, -5i.e.x > yS37. Ans.(c) Sol.  $I_x x^2 - 12x + 32 = 0$  $x^2 - 8x - 4x + 32 = 0$ x(x-8) - 4(x-8) = 0(x - 4)(x - 8) = 0x = 4.8II.  $v^2 - 17v + 72 = 0$  $y^2 - 9y - 8y + 72 = 0$ y(y-9) - 8(y-9) = 0(y - 9) (y - 8) = 0y = 9.8 $so, x \leq y$ **S38.** Ans.(e) Sol.  $I_x^2 - 12x + 35 = 0$  $x^2 - 5x - 7x + 35 = 0$ x(x-5) - 7(x-5) = 0(x - 7)(x - 5) = 0

x (x - 5) - 7 (x - 5) = 0(x - 7) (x - 5) = 0 x = 7,5 II. y<sup>2</sup> - 11y + 24 = 0 y<sup>2</sup> - 3y - 8y + 24 = 0 y (y - 3) - 8 (y - 3) = 0 (y - 8) (y - 3) = 0 y = 8,3

So, no relation can be established between x and y

S39. Ans.(d) Sol. I.  $8x^2 + 10x - 7 = 0$   $8x^2 - 4x + 14x - 7 = 0$  4x (2x - 1) + 7 (2x - 1) = 0 (2x - 1) (4x + 7) = 0  $x = \frac{1}{2}, \frac{-7}{4}$ II.  $y^2 - 6y + 8 = 0$   $y^2 - 4y - 2y + 8 = 0$  y (y - 4) - 2 (y - 4) = 0 (y - 4) (y - 2) = 0 y = 4, 2so, x < y S40. Ans.(a) Sol. I.  $x^2 + 7x + 12 = 0$   $x^2 + 4x + 3x + 12 = 0$  x (x + 4) + 3 (x + 4) = 0 (x + 3) (x + 4) = 0 x = -3, -4II.  $y^2 + 15y + 44 = 0$   $y^2 + 4y + 11y + 44 = 0$  y (y + 4) + 11 (y + 4) = 0 (y + 4) (y + 11) = 0 y = -11, -4so,  $x \ge y$ 

## S41. Ans.(d)

**Sol.** Total number of students (graduate + postgraduate) in collage A = 80 + 120 = 200 Total postgraduate students in collage B & collage E = 150 + 100 = 250 Required percentage =  $\frac{250-200}{250} \times 100 = 20\%$ 

## S42. Ans.(b)

**Sol.** Total number of boys in graduate students and postgraduate students in collage C =  $(140 \times \frac{3}{5}) + (160 \times \frac{5}{8})$ = 84 + 100 = 184 Total number of graduate students in B=120 Required ratio =  $\frac{184}{120}$  = 23 : 15

S43. Ans.(a) Sol. Total number of graduates students in collage C & collage E = 140 + 70 = 210Total graduate students and postgraduate students in collage D = 40 + 50 = 90Required  $\% = \frac{210}{90} \times 100 = 233\frac{1}{3}\%$ 

## S44. Ans.(d)

**Sol.** Total graduate students in collage X = 90 + 70 = 160 Number of girls in graduate students in collage X =  $160 \times \frac{7}{10} = 112$ Number of girls in graduate students in collage B =  $120 \times \frac{9}{20} = 54$ So, required sum = 112 + 54 = 166

### S45. Ans.(c)

**Sol.** Average number of students postgraduate students in collage B, C & D =  $\frac{1}{3} \times (150 + 160 + 50) = 120$ Graduate students in collage A & E = 80 + 70 = 150 Required difference = 150 - 120 = 30

## S46. Ans.(a)

#### Sol.

Let the monthly income of man be Rs.100x. Amount spent on house rent =  $100x \times \frac{20}{100} = 20x$ Amount spent on Food =  $\frac{20}{100} \times (100x - 20x) =$ 16x Remaining amount = 100x - 20x - 16x = 64xAmount spent on clothing =  $64x \times \frac{7}{16} = 28x$ ATQ, 28x - 16x = 1080 x = 90So, income of man for nine months=  $90 \times 100 \times$ 9 = Rs.81000

## S47. Ans.(c)

**Sol.** Let the speed of stream be '5x' km/h And speed of boat in still water =  $5x \times \frac{8}{5} = 8x$  km/hr

$$\frac{D}{5x + 8x} + \frac{D}{8x - 5x} = 32$$

 $\frac{1}{39x} = 32$ D = 78x

So, Required time =  $\frac{2 \times 78x}{8x}$  = 19.5 hours



S48. Ans.(e) Sol. Speed of train A =  $\frac{200}{8}$  = 25 m/sec So, speed of train B = 25 ×  $\frac{4}{5}$  = 20 m/sec ATQ,  $\frac{l}{20}$  = 26 l = 520 meters Now the time in which train A crosses train B running in opposite direction =  $\frac{200+520}{(25+20)}$  = 16 sec

S49. Ans.(d)

Sol. Let the cost price of article A = 100a Marked price of article A =  $100a \times \frac{160}{100} = 160a$ Selling price of article, A =  $160a \times \frac{(100-25)}{100} = 120a$ ATQ - 120a - 100a = 475  $a = \frac{95}{4}$ Since, Selling price = cost price + profit So, selling price of article B =  $100 \times \frac{140}{100} \times \frac{95}{4} + 475 = Rs. 3800$ 

**S50.** Ans.(e) **Sol.** Let the efficiency of a man and a woman be 'x' units/day and 'y' units/day respectively. ATQ,  $\frac{(16x+14y)\times30}{1} = \frac{(20x+14y)\times20}{\frac{80}{100}}$ 96x + 84y = 100x + 70y  $\frac{x}{y} = \frac{7}{2}$ Total work = (16 × 7 + 14 × 2) × 30 = 4200 units Required days =  $\frac{2\times4200}{42\times2}$  = 100 days

**Solutions. (51 – 55):** Let total number of items sold by store = 100xTotal Jackets sold by store =  $100x \times \frac{40}{100} = 40x$ 

Total Sweatshirts sold by store =  $40x \times \frac{9}{10} = 36x$ Total Sweaters sold by store = 100x - (40x + 36x)= 24x

Total Nike Sweaters sold by store =  $24x \times \frac{5}{12} = 10x$ 

Total Nike Jackets sold by store =  $40x \times \frac{40}{100} = 16x$ ATQ – 10x + 16x + 40 = 170

26x = 130

K	=	5
K	=	5

Items	Adidas	Nike	Total		
Jackets	120	80	200		
Sweaters	70	50	120		
Sweatshirts	140	40	180		
Total	330	170	500		

S51. Ans.(a)

**Sol.** Required difference = 330 – 170 = 160

**Sol.** Required percentage =  $\frac{80-70}{80} \times 100 = 12.5\%$ 

**S53. Ans.(c) Sol.** Required average =  $\frac{330}{3}$  = 110

**S54. Ans.(e) Sol.** Required ratio  $=\frac{140}{170} = 14 : 17$ 

**Sol.** Required percentage =  $\frac{140-50}{50} \times 100 = 180\%$ 

**S56.** Ans.(b) Sol. Pattern of series –  $33 + (2^2 - 1) = 36$  $36 + (3^2 - 1) = 44$  $44 + (4^2 - 1) = 59$ ? = 59 + (5<sup>2</sup> - 1) = **83**  $83 + (6^2 - 1) = 118$ 

**S57. Ans.(a) Sol. Pattern of series –** Subtraction of consecutive prime number 162 - 37 = 125125 - 31 = 9494 - 29 = 65? = 65 - 23 = 4242 - 19 = 23

**S58.** Ans.(c) Sol. Pattern of series - $2 \times 5 + 5 = 15$  $15 \times 4 + 4 = 64$  $64 \times 3 + 3 = 195$  $? = 195 \times 2 + 2 = 392$  $392 \times 1 + 1 = 393$ 

\$59. Ans.(e) Sol. Pattern of series -322, ?= **162**, 82, 42, 22, 12 -160 -80 -40 -20 -10

S60. Ans.(b) Sol. Pattern of series - $8 \times 0.5 + 1 = 5$  $5 \times 1 + 1 = 6$  $6 \times 2 + 1 = 13$  $13 \times 4 + 1 = 53$  $? = 53 \times 8 + 1 = 425$ 

S61. Ans.(a) **Sol.** Let investment of P = 4x Rs. So, investment of Q =  $4x \times \frac{125}{100} = 5x$  Rs. ATQ -Ratio of profit share of P to Q =  $(4x \times 6 +$  $4x \times 2 \times 6) : (5x \times 6 + 5x \times \frac{2}{3} \times 6)$ = 72x : 50x = 36x : 25xProfit of P =  $12200 \times \frac{36x}{(36x+25x)} = 7200$  Rs.

### S62. Ans.(e)

Sol. Equivalent interest received by man from scheme X at the rate of 20% p.a. for two years = 20 $+20 + \frac{20 \times 20}{100} = 44\%$ So, total interest received by man from scheme X =  $P \times \frac{44}{100} = 0.44P$ Total amount received by man from scheme X = P + 0.44P = 1.44PTotal interest received by man from scheme Y =  $1.44P \times \frac{5 \times 2}{100} = 0.144P$ Required percentage =  $\frac{0.144P}{0.44P} \times 100 = 32.72\%$ 

S63. Ans.(c) **Sol.** Let four years ago age of B = 2a So, age of A =  $\frac{2a}{2}$  + 6 = a + 6 ATQ - $(2a + 12) + (a + 18) = 42 \times 2$ 3a = 54a = 18 years Age of A = (18 + 10) = 28 years Age of  $B = 2 \times 18 + 4 = 40$  vears Required ratio = (28 + 2) : (40 + 2) = 5 : 7

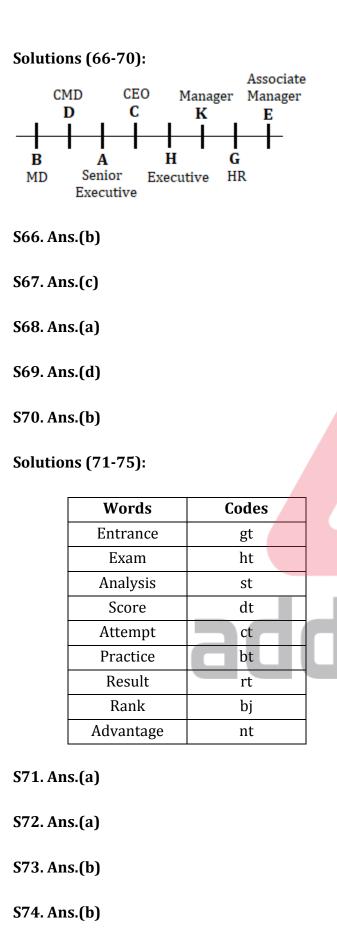
S64. Ans.(e) **Sol.** Let total mixture in vessel be x liters ATO.

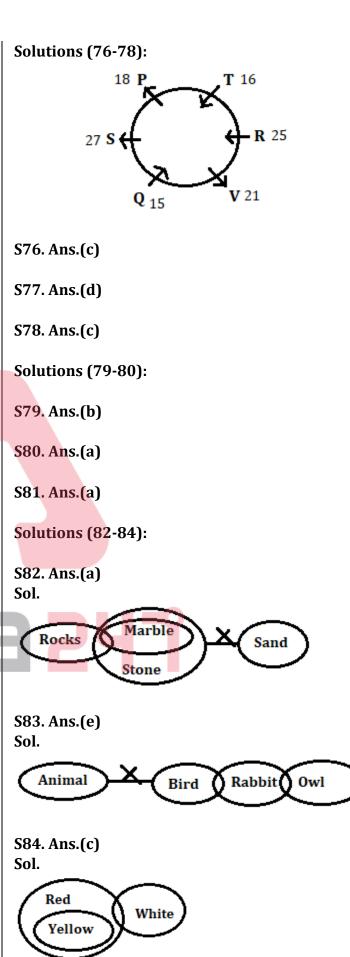
 $\frac{\frac{5x}{7} - 42 \times \frac{5}{7}}{\frac{2x}{7} - 42 \times \frac{2}{7} + 32} = \frac{7}{6}$  $\frac{5x - 210}{2x + 140} = \frac{7}{6}$ 30x - 1260 = 14x + 98016x = 2240x = 140 liters

S65. Ans.(d) Sol. Let radius of circle X & Y be 3r and 4r respectively  $2 \times \frac{22}{7} \times 3r + 2 \times 4r = 188$  cm r = 7 cm

Side of square =  $\frac{8}{7} \times (3 \times 7 + 4 \times 7) = 56 \ cm$ Perimeter of square =  $56 \times 4 = 224$  cm

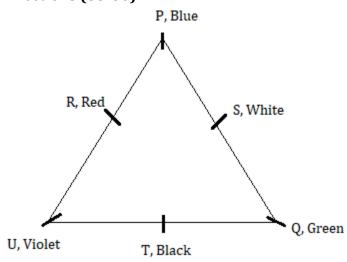






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S86. Ans.(c)

Directions (87-91):

Month	Date	Persons
Ionuomu	9	N
January	30	U
Ман	9	R
Мау	30	L
August	9	S
August	30	М
October	9	Р
Uctober	30	Т
December	9	0
December	30	Q

S87. Ans.(c)

S88. Ans.(d)

S89. Ans.(a)

S90. Ans.(b)

S91. Ans.(e)

**S92. Ans.(b) Sol.** Original number= 45925639258 New number= 5**37337**1**733**9

## Directions (93-97):

Floor	Flat-1	Flat-2
3	D-Coconut	<b>B-Grapes</b>
2	A-Apple	E-Banana
1	F-Apricot	C-Orange

\$93. Ans.(c)

S94. Ans.(c)

**S95**. Ans.(b)

**S96.** Ans.(e)

S97. Ans.(b)

Solutions (98-100):

S98. Ans.(c)

**S100.** Ans.(a)

