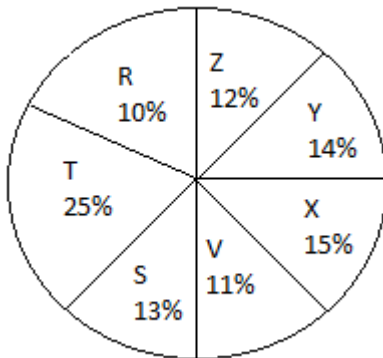


SSC CHSL Mock Test 1

Directions (1-3): Study the data given below and answer the following questions:

The pie chart and the corresponding table gives details about the population of seven different cities.

Study the information and then answer the following questions:



The pie chart shows the proportion of the population of seven cities

Cities	% population above the poverty line
R	52
Z	56
Y	68
V	54
S	66
X	64
T	78

Q 1. What is the total number of people below the poverty line in city X, if the total population of city X is 5,34,000?

- A. 1,92,240
- B. 1,91,420
- C. 2,92,240
- D. 3,39,240
- E. 1,82,280

Q 2. If the total population of all seven cities is 10,00,000. Then what will be the total number of people living above the poverty line in the city R?

- A. 32,000

- B. 72,000
- C. 55,550
- D. 42,300
- E. 52,000

Q 3. If the total population of all seven cities is 10,00,000. Then find the ratio between the total populations of city X to that of city Z?

- A. 3:2
- B. 15:12
- C. 7:4
- D. 5:1
- E. 4:3

Q 4. Eleven books, consisting of five medical books, four science books and two English books, are arranged in a shelf at random. What is the probability that the books of each kind are all together?

- A. $1/1125$
- B. $1/1251$
- C. $1/1515$
- D. $1/1155$
- E. $1/1115$

Q 5. The profit earned when Anil sold an article for Rs. 800 is 20 times the loss incurred when it is sold for Rs.275. At what price should Anil sell the article if it is desired to make a profit of 25%?

- A. Rs. 365
- B. Rs. 375
- C. Rs. 355
- D. Rs. 385
- E. Rs. 395

Directions (6-7): What will come in place of question marks (?)
Find an approximate value:

Q 6.

$$39.001 \times 14.998 - 28.01 \times 10.02 = (36 + ?) \times 5.012$$

- A. 21
- B. 22
- C. 24
- D. 26
- E. 25

Q 7.

$$794.99 \div 15.001 + 768.025 \div 12.012 - 1273.025 \div 18.999 = ?$$

- A. 51
- B. 71
- C. 66
- D. 61
- E. 92

Directions (8-9): In the given number series, one number is wrong. Choose the number which does not follow the set pattern.

Q 8.

- 1 37 62 74 85 89
A. 62
B. 85
C. 74
D. 89
E. 1

Q 9.

- 46 89 117 353 705
A. 89
B. 46
C. 705
D. 117
E. 353

Directions (10-12): Study the information given below and answer the following questions:

Six persons Ajay, Bhanu, Chandan, Dinesh, Elesh and Firoz are sitting around a round table facing the centre of the table. They have ordered different flavours of ice cream - chocolate, strawberry, vanilla, butterscotch, mango and coffee. All the people are wearing T-shirts of different colours, i.e. grey, golden, purple, maroon, pink and orange. Order of the items and colours of T-shirts are not necessarily according to the order of their names.

The person who has ordered for chocolate, vanilla and mango flavour of ice cream are neither in grey nor in golden T-shirt. The persons who are in purple and pink T-shirts have neither ordered for chocolate nor for vanilla. Ajay is neither in grey T-shirt nor on the immediate left of the person who has ordered for butterscotch. The only person who is in between Elesh and Firoz eats ice cream of strawberry flavour. The person who is on the left side of the person in grey T-shirt does not eat coffee. Dinesh has ordered for butterscotch and the colour of his T-shirt is purple. Dinesh is facing the person who has ordered the strawberry flavoured ice cream. One who has ordered for chocolate is seated opposite to the person wearing orange T-shirt, while the person whose T-shirt is of purple colour is on the left of the person who has ordered for mango. One who has ordered for coffee is on the immediate right of the person in grey T-shirt but on the immediate left of the person who has ordered vanilla ice cream. Chandan has not ordered for vanilla while Firoz has not ordered for chocolate.

Q 10. What colour T-shirt does Chandan wear?

- A. Purple
B. Grey
C. Maroon
D. Pink
E. Orange

Q 11. How many people sit between Dinesh and the one who likes chocolate ice cream, when counted anti-clockwise?

- A. 1
B. 4
C. 2
D. 3
E. More than 4

Q 12. Which of the given combinations is incorrect?

- A. Chandan-grey-strawberry
- B. Dinesh-purple-butterscotch
- C. Bhanu-orange-vanilla
- D. Firoz-golden-coffee
- E. Ajay-pink-chocolate

Directions (13-15): Read the information given below and answer the following questions:

In a certain code language 'mn fn bn gn' is written as 'trains are always late'

'Gn dn cn hn' is written as 'drivers were always punished'

'Bn cn vn rn' is written as 'drivers stopped all trains'

'Dn kn fn vn' is written as 'all passengers were late'

Q 13. What will be the code for 'rn'?

- A. Punished
- B. Driver
- C. Passenger
- D. Stopped
- E. Either 'trains' or 'driver'

Q 14. What will be the code for 'all passengers punished'?

- A. Hn vn kn
- B. Vn bn fn
- C. Cn mn kn
- D. Vn dn rn
- E. Hn bn kn

Q 15. What will be the code for 'always'?

- A. Hn
- B. Fn
- C. Gn
- D. Kn
- E. Dn

Directions (16-17): In the following questions, three statements are given followed by two conclusions. Based on the conclusions mark the correct answer:

Q 16:

Statement I: Some ships are boats

Statement II: All boats are submarines

Statement III: Some submarines are ships

Conclusion I: At least submarines are boats

Conclusion II: All boats are ships

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Both conclusion I and II follow
- D. Either conclusion I or II follows

E. Neither conclusion I nor II follows

Q 17:

Statement I: All artists are dancers

Statement II: All singers are an athlete

Statement III: Some singers are artists

Conclusion I: Some athletes are artists

Conclusion II: Some dancers are athletes

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Both conclusion I and II follows
- D. Either conclusion I or II follows
- E. Neither conclusion I nor II follows

Q 18: X is the son of Y. Z, Y is sister, has a son N and a daughter O. J is the maternal uncle of N. Then how is O related to Y?

- A. Nephew
- B. Niece
- C. Granddaughter
- D. Grandson
- E. Aunt

Directions (19-20): In the following questions, select the word that fits well in both the two sentences given below.

Q 19.

I: The company _____ a good production year due to a good harvest.

II: The budget _____ a two-fold increase in this year's turnover.

- A. Envisages
- B. Requests
- C. Urges
- D. Requirement
- E. Demanded

Q 20.

I: We _____ the room with an instant geyser.

II: He _____ his kids the money for the science project.

- A. Enhanced
- B. Arranged
- C. Prepared
- D. Provided
- E. Installed

Directions (21-22): In the following questions, a word is given in bold. The word has been used in four different sentences from 1 to 4. Choose the option in which the usage of the word is *incorrect*.

Q 21. Broke

1. Ritu and her boyfriend broke up before they moved in together.
2. The children broke the windows while playing cricket.

3. The prisoners broke out of jail when the guards weren't looking.
4. I broke up in a rash after our camping trip.

- A. Only 1
- B. Both 1 and 2
- C. Only 4
- D. Only 3
- E. Both 4 and 3

Q 22. Mark

1. They can clearly mark the boundaries up with the yellow tape.
2. Ritu would have shopped more if the prices were marked slightly down.
3. The clerk will mark prices down later in the day.
4. The manager will mark up the prices that the clerk marked down.

- A. Only 2
- B. Only 1
- C. All are correct
- D. Both 2 and 3
- E. Only 4

Q 23. In the question given below, one word is given in bold. From the options, choose the word which is the *most similar* in meaning:

Placid

- A. Agitated
- B. Tranquil
- C. Turbulent
- D. Clamorous
- E. Noisy

Answer: B

Q 24. In the question given below, one word is given in bold. From the options, choose the word which is the *most opposite* in meaning:

Sluggard

- A. Achiever
- B. Dormant
- C. Paralysed
- D. Torpid
- E. Inanimate

Answer: A

Q 25. Select a word from the given options to replace in the black space in the following question.

Alleviate : Aggravate :: Elastic : _____

- A. Flexible
- B. Strong
- C. Malleable
- D. Rigid
- E. Bright

Answer: D

Answer Key

Q 1. A	Q 2. E	Q 3. B	Q 4. D	Q 5. B
Q 6. E	Q 7. A	Q 8. C	Q 9. B	Q 10. B
Q 11. A	Q 12. E	Q 13. D	Q 14. A	Q 15. C
Q 16. E	Q 17. C	Q 18. B	Q 19. A	Q 20. D
Q 21. C	Q 22. A	Q 23. B	Q 24. A	Q 25. D

Solutions

Solution 1:

The total population of city X = 5,34,000

Percentage of people below the poverty line in city X = $(100-64)\% = 36\%$

Total number of people living below poverty line = 36% of 5,34,000 = 1,92,240

Solution 2:

Total population of all seven cities = 10,00,000

% of people living above the poverty line in city R = 52%

The population of city R = 10% of 10,00,000 = 1,00,000

Above poverty line population of city R = 52% of 1,00,000 = 52,000

Solution 3:

The population of city X = 15% of 10,00,000 = 1,50,000

The population of city Z = 12% of 10,00,000 = 1,20,000

Ratio of population between city X to city Z = 1,50,000 : 1,20,000 = 15:12

Solution 4:

$[(5! \times 4! \times 2! \times 3!) / 11!]$

$= [(24 \times 2 \times 6) / (11 \times 10 \times 9 \times 8 \times 7 \times 6)]$

$= 1/1155$

Solution 5:

Let the loss incurred at Rs. 275 is x.

The profit at Rs.800 = 20x

$21x = 800 - 275 = 525$

$x = 25$

The cost price of article = Rs.(275 + 25) = Rs.300

To get a profit of 25%, the selling price = $1.25 \times 300 = \text{Rs. } 375$

Solution 6:

$39 \times 15 - 28 \times 10 = (36 + ?) \times 5$

$585 - 280 = (36 + ?) \times 5$

$305 / 5 = 36 + ?$

$61 = 36 + ?$

$? = 25$

Solution 7:

$$795 \div 15 + 768 \div 12 - 1273 \div 19 = ?$$

$$53 + 65 - 67 = ?$$

$$118 - 67 = 51$$

Solution 8:

$$1 + 6^2 = 37$$

$$37 + 5^2 = 62$$

$$62 + 4^2 = 76$$

$$76 + 3^2 = 85$$

$$85 + 2^2 = 89$$

Solution 9:

$$45 \times 2 - 1 = 89$$

$$89 \times 2 - 1 = 117$$

$$117 \times 2 - 1 = 353$$

$$353 \times 2 - 1 = 705$$

Solution (10-12):



Solution (13-15):

Punished - hn

Stopped - rn

Always - gn

Late - fn

Trains - bn

Were - dn

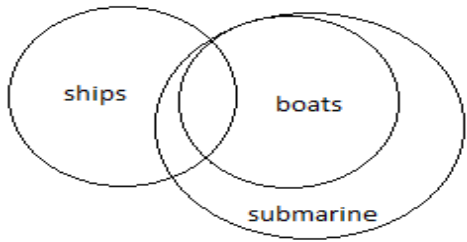
Are - mn

Driver - cn

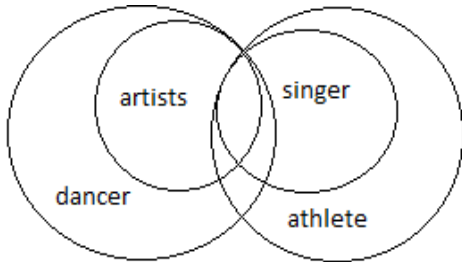
Passengers - kn

All - vn

Solution 16:



Solution 17:



Solution 18:

Y, Z and J are siblings.
Z is the mother of N and O
X is the daughter of Y
O is the daughter of Z
N is the son of Z

Solution 23:

Placid means calm and composed

Solution 24:

Sluggard means lazy and dull