

Home Assignment

for SSC & Railways Aspirants



1. Two numbers are 10% and 20% lesser than a third number respectively. By how much percent is the second number should be enhanced to make it equal to the first number?

- A. 10 B. 15
C. 12.5 D. 8

Ans. C

Sol. Let the third number = 100

Then first number = 100 - 10% of 100 = 100 - 10 = 90

Second number = 100 - 20% of 100 = 100 - 20 = 80

Second number should be enhanced to make it equal to first by

$$\frac{90-80}{80} \times 100 = \frac{10}{80} \times 100 = 12.5\%$$

2. Ram and Shyam can complete a work in 15 days and 20 days respectively how much time they will take to complete the work together?

- A. $9\frac{4}{7}$ days B. 6 days
C. $8\frac{4}{7}$ days D. $7\frac{1}{3}$ days

Ans. C

Sol.

	Ram	Shyam
Days taken to complete the work	15	20
L.C.M		60
Efficiency	4	3
Total time required = $\frac{60}{4+3} = 8\frac{4}{7}$ days		

3. 5 years ago, A's age was double of that of B. Their present age ratio is 4:3. What will be sum of their ages after 5 years?

- A. 33.5 years B. 27.5 years
C. 41.5 years D. 55 years

Ans. B

Sol.

Let their present ages are 4x and 3x respectively. A/Q

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

$$4x-5 = 6x-10$$

$$x = \frac{5}{2}$$

After 5 years, total age

$$= (4x+5) + (3x+5)$$

$$= 7x+10 = 7 \times \frac{5}{2} + 10$$

$$= 27.5 \text{ years}$$

4. Two cars move toward each other at a speed of 12km/hour and 16 km/hour. They meet after hour and 30 minutes. How far(in km) were they from each other?

- A. 42 km B. 56 km
C. 68 km D. 35 km

Ans. A

Sol.

$$(12+16) \times \left(1 + \frac{1}{2}\right) = 28 \times \frac{3}{2} = 42 \text{ km}$$

5. The average of five consecutive even integers is 20. The largest among the five is:

- A. 20
B. 22
C. 24
D. Can't be determined

Ans. C

Sol.

Let x, (x+2), (x+4), (x+6), and (x+8) are five consecutive even numbers:

$$x + x+2 + x+4 + x+6 + x+8 = 5 \times 20$$

$$5x + 20 = 100$$

$$5x = 80$$

$$x = 16$$

$$\text{Largest} = x+8 = 24$$

6. The ratio of the number of boys and girls in a school is 2 : 3. If 25% of the boys and 30% of the girls are scholarship holders, the percentage of the school students who are not scholarship holders is

- A. 36 B. 54
C. 60 D. 72

Ans. D

Sol. The percentage of boys and girls, who are not scholarship holders in the school is (100 - 25)% = 75% and (100 - 30)% = 70%

Therefore answer must lie between 70% and 75%.

Only value given in option D. lies between 70% and 75%.

Hence, answer is option (4).

7. In the following question, select the related word from the given alternatives.

Jailor : Prison :: Curator : ?

- A. Cell B. Museum
C. Warden D. Cure

Ans. B

Sol. Jailor is a person who is in charge of a jail or section of a jail.

Similarly, Curator is a keeper or custodian of a museum or other collection.

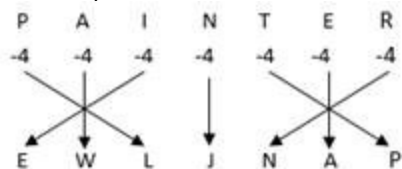
Hence, option B is the correct response.

8. If PAINTER is coded as EWLJNAP, then how will PEACOCK be coded as?

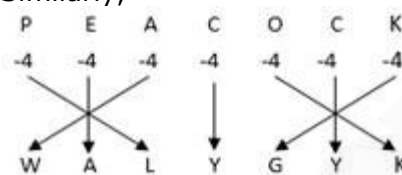
- A. TALYGYK B. WALYGYK
C. WALYGGO D. WALGYKY

Ans. B

Sol. As,



Similarly,



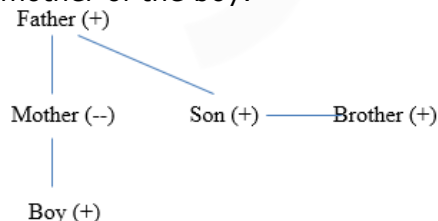
Thus PEACOCK is coded as WALYGYK.

9. Pointing to a picture of a man, a boy said, "He is the brother of the son of the father of my mother." How is the boy related to the only sister of that man in the picture?

- A. Son B. Brother
C. Grand son D. Nephew
E. Uncle

Ans. A

Sol. The person's only sister will be the mother of the boy.



10. Amit was born 5 years before Rakesh. Rakesh is 3 years younger to Anil. If Amit is now 17 years old, how old is Anil?

- A. 8 years B. 12 years
C. 15 years D. 19 years

Ans. C

Sol. Let the age of Rakesh be x years.

Amit's age = x + 5

Anil's age = x + 3

According to given question,

$$x + 5 = 17$$

$$\Rightarrow x = 12$$

Hence Anil's age will be = 12 + 3 = 15 years

Hence option C is correct.

11. In the following question, select the missing number from the given series.

9	8	5
6	6	7
3	?	3
5	7	4

A. 9

B. 4

C. 8

D. 2

Ans. D

Sol.

Clearly, the sum of the numbers from the top in each column is the product of the last two number in that column.

$$9 + 6 = 15 = 3 \times 5$$

$$8 + 6 = 14 = 2 \times 7$$

$$5 + 7 = 12 = 3 \times 4$$

9	8	5
6	6	7
3	2	3
5	7	4

Hence, option D is the correct response.

12. Biennial Multilateral Naval Exercise 'MILAN' will be organized at which place in March 2020?

- A. Malabar coast
B. Andaman Nicobar
C. Visakhapatnam
D. Chennai
E. Lakshadweep

Ans. C

Sol.

• Indian Navy will organise the multilateral naval exercise 'MILAN' at Visakhapatnam in March 2020.

- Launched in 1995, the MILAN series of biennial exercises were organised at Andaman and Nicobar Command (ANC) till 2018.

- However, because of the increased scope and complexity of the exercise, it is being conducted for the first time on the mainland at ENC.

13. Tirur betel vine which recently (August, 2019) has received the Geographical Indication (GI) tag is betel leaf of which state?

- A. Andhra Pradesh B. Kerala
C. Karnataka D. Meghalaya
E. West Bengal

Ans. B

Sol.

- Tawlhlohpuan & Mizo Puanchai (from Mizoram), and Tirur betel vine (from Kerala) has received the Geographical Indication (GI) tag.

- GI is an indication used on products that have a specific geographical origin and possess qualities or a reputation that are due to that origin.

- The Geographical Indication comes under the Department for Promotion of Industry and Internal Trade.

- Tirur betel vine is valued both for its mild stimulant action and medicinal properties. It has many industrial and cultural usages and is considered as a remedy for bad breath and digestive disorders.

14. Who among the following has been conferred with the Pushkin Medal 2019 for her contribution to Russian studies abroad?

- A. Meeta Narain B. Suneeta Narain
C. Jayati Ghosh D. Romila Thapar
E. Zoya Hasan

Ans. A

Sol.

- Professor Meeta Narain of Jawaharlal Nehru University (JNU) has been conferred with the Pushkin Medal 2019 for her contribution to Russian studies abroad.

- Pushkin Medal is the highest International Award given to a scholar of Russian language and literature for outstanding contribution to Russian studies abroad.

- Narain has contributed towards re-writing of Russian studies textbooks for graduate students after the dissolution of the Soviet Union.

- Pushkin Medal is named after the famous Russian author and poet Alexander S. Pushkin.

15. Which of the following company has retained the title sponsorship rights of Indian cricket team for five years?

- A. Mobikwik B. PhonePe
C. Paytm D. Vodafone
E. None of these

Ans. C

Sol.

- According to the Board of Control for Cricket in India (BCCI), mobile payments and e-commerce company "Paytm" has retained the title sponsorship rights for five years.

- Paytm has retained the title sponsorship rights for all cricket matches, domestic and international, played in India for 5 years.

- Earlier, In July 2019 Byju (owned by Think and Learn Private Limited) has replaced Oppo India as the official Team India sponsor.

- The deal period will begin from 5th September 2019 until 31st March 2022.

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