

# 50+ Important Questions for RRB NTPC phase 7 (English)

### General Awareness Questions

1. **Onam** is related to 'Kerala' in the same way as 'Bihu' is related to' \_\_\_\_\_'.

- A. Sikkim
- B. Assam
- C. Manipur
- D. Rajasthan

Ans. B

Sol.

Onam is a famous dance form of Kerala in the same way Bihu is a famous dance form of Assam Hence, option B is the correct answer.

2. The League of Nations was an intergovernmental organization founded for world peace after \_\_\_\_

- A. First World War
- B. Second World War
- C. Vietnam War
- D. Greek Civil War

Ans. A

Sol. The League of Nations was an intergovernmental organization founded on 10 January 1920 as a result of the Paris Peace Conference that ended the First World War. It was the first international organization whose principal mission was to maintain world peace.

3. By Whom was discovered "mound of the dead"?

- A. RD Banerjee
- B. Dayaram Sahni
- C. John Marshall
- D. None of the above

Ans. A

Sol.

• **RD Banerjee** discovered "mound of the dead".

• It was also known as **Mohenjo-daro**.

• It was discovered in **1922**, an officer of the Archaeological Survey of India, two years after major excavations had begun at Harappa, some 590 km to the north.

4. Chola village's assembly was called :

- A. Nagaram
- B. Sabha
- C. Ur
- D. None of these

Ans. C

Sol. • **The Chola** administration was well organized. **Ur** was the main village **assembly, Sabha** was the assembly of **learned people , Nagaram** was the assembly of **merchants ,traders and artisans .**

• This is great evident to show that **Chola** had a good local **self government.**

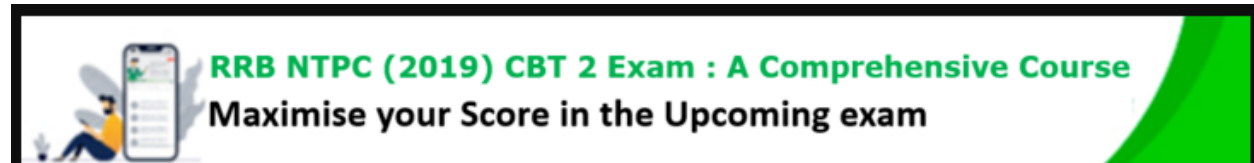
5. Which Gurjara-Pratihara's king established the largest empire in northern India ?

- A. Vatsaraja
- B. Mihir Bhoja
- C. NagaBhata
- D. Mahendra pal

Ans. B

Sol. • Mihir Bhoja (836-890 CE) established the largest empire in northern India , with the mark of Varaha, an incarnation of Lord Vishnu . He was called Adivaraha.

• The Gurjara-Pratiharas also resisted the Arab incursions . They had a long line of powerful rulers such as



Nagabhata (750-780 CE) , he was the founder of the dynasty. Vatsaraja was the also great ruler of this dynasty.

6.The first instance of Satyagraha in India was conducted in which city?

- A. Champaran
- B. Ahmedabad
- C. Surat
- D. Nagpur

Ans. A

Sol.

- The Champaran Satyagraha of 1917 was the first Satyagraha movement.
- It was launched by the Mahatma Gandhi.
- It was a major revolt in the Indian Independence Movement.
- It was a farmer's uprising that took place in Champaran district of Bihar.

7.Gandhiji's Champaran Movement was for \_\_\_\_\_?

- A. The security of rights of Harijans
- B. Civil Disobedience Movement
- C. Maintaining the unity of Hindu Society
- D. Solving the problem of Indigo Workers

Ans. D

Sol.

- The **Champaran peasant movement** was launched in **1917-18**.
- Its objective was to create an awakening among the peasants against the **European planters**.
- These planters resorted to **illegal and inhuman methods** of indigo cultivation at a cost which by **no canons** of justice could be called an

**adequate remuneration** for the labor done by **the peasants**.

8.Who was the founder of Harijan Sevak Sangha?

- A. Mukundrao Patil
- B. V.R. Shinde
- C. B.R. Ambedkar
- D. Mahatma Gandhi

Ans. D

Sol.

- Harijan Sevak Sangha was founded by Mahatma Gandhi on September 30, 1932 as an All India Organization.
- Earlier this organization was named the Untouchability Prevention Association, which was named Harijan Sevak Sangh on September 13, 1933.
- The headquarters of the association is in Gandhi Ashram, Kingsway Camp, Delhi.

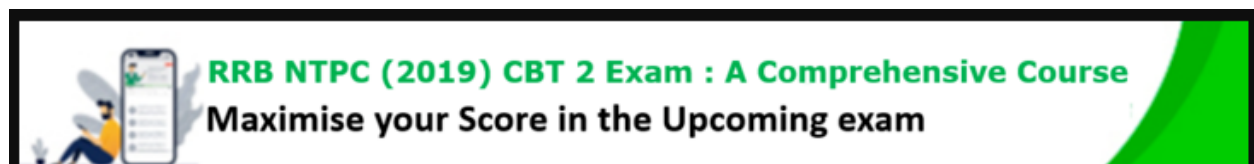
9. From where did Acharya Vinoba Bhave start the individual Satyagraha in 1940?

- A. Saharanpur, Uttar Pradesh
- B. Ahmedabad, Gujarat
- C. Pavnar, Maharashtra
- D. Champaran, Bihar

Ans. C

Sol.

- **Individual Satyagraha** was the resultant of August offer. Acharya Vinobha Bhave Start individual Satyagraha from **Pavnar in Maharashtra in 1940**.
- On October 17<sup>th</sup>, 1940, Mahatma Gandhi had chosen Acharya Vinoba Bhave as the first Satyagrahi to start individual Satyagraha.



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- Acharya Vinoba Bhave went to jail for his individual Satyagraha and the Quit India movement.

10. Gandhiji was imprisoned in which jail at the time of signing Poona pact?

- A. Cellular jail
- B. Yerwada Jail
- C. Rangoon Jail
- D. Satara Jail

Ans. B

Sol.

Gandhiji was imprisoned in **Yerwada Central jail** at the time of signing Poona pact.

- Poona Pact was signed in Sept, 1932 between **Ambedkar and Gandhiji**.
- Ambedkar agreed on the abolition of communal award forwarded by Ramsay Macdonald while in return Gandhiji agreed on securing reservation of seats for depressed class in elections.
- It was also signed by Madan Mohan Malviya and some other leaders.
- Gandhiji **launched** All India Untouchability League in 1932.

11. Mahatma Gandhi started his Dandi March from which place?

- A. Porbandar
- B. Ahmedabad
- C. Dandi
- D. Kheda

Ans. B

Sol.

• **The Salt March, also known as the Dandi March** was an act of nonviolent civil disobedience in colonial India initiated by Mohandas Karamchand Gandhi to produce salt

from the seawater in the coastal village of Dandi.

- Gandhi led the Dandi March from his base, Sabarmati Ashram, near the city of **Ahmedabad**.

12. Which Indian state has maximum rail routes?

- A. Uttar Pradesh
- B. Madhya Pradesh
- C. Bihar
- D. Karnataka

Ans. A

Sol.

- Uttar Pradesh has maximum length of rail Routes.
- It has a length of 9077.45 Kms of Rail Route.
- Madhya Pradesh has 5000kms, Bihar has 3730Kms and Karnataka has 3281 Kms.

13. Which is the Longest railway bridge of Indian railway?

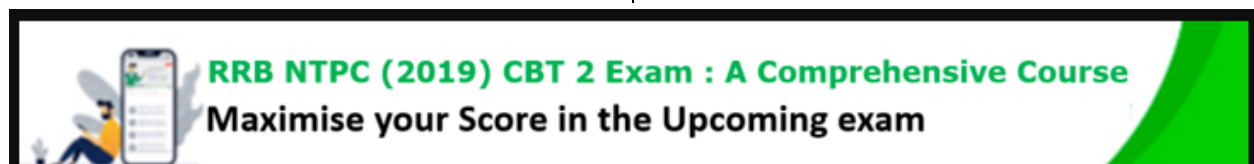
- A. Gandhi Sagar Brigde
- B. Doodh sagar Bridge
- C. Tripati Bridge
- D. Vembanad Bridge

Ans. D

Sol.

- With a total length of 4,620 metres, **Vembanad is the longest railway bridge in India**.
- Vembanad Rail Bridge is a rail connecting Edappally and Vallarpadam in Kochi, Kerala.
- Vembanad bridge is build over the backwaters of Vembanad lake and passes through the 3 small islands.

14. 'Tinkathia System' in Champaran meant



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- A. Cultivation of Indigo on the 3/20 area of land
- B. Cultivation of Indigo on 33% area of land
- C. Cultivation of Indigo on 30% area of land
- D. None of the above

Ans. A

Sol. The problem of farmers' movement of Champaran was very old. In the beginning of the 19th century European plantation owners had contracted with farmers, under which the farmers were bound to cultivate indigo in the 3/20th of their total land. It was called a 'Tinkathia System'.

15. The mantra 'Do or Die' was given by?

- A. P.C. Roy
- B. J.C. Bose

- C. C.V. Raman
- D. Mahatma Gandhi

Ans. D

Sol. The **Quit India speech** is a speech made by **Mahatma Gandhi** on **8 August 1942**, on the eve of the Quit India movement. He called for determined, but passive resistance that signified the certitude that Gandhi foresaw for the movement is best described by his call to **Do or Die**.

16. In which of the following order were the Satyagraha movements organised by Mahatma Gandhi?

- A. Dandi March, Rowlatt, Champaran, Kheda
- B. Dandi march, Champaran, Rowlatt, Kheda

- C. Champaran, Kheda, Rowlatt, Dandi March
- D. Champaran, Kheda, Dandi March, Rowlatt

Ans. C

Sol.

- Champaran Satyagraha - 1917
- Kheda Satyagraha - 1918
- Rowlatt Satyagraha - 1919
- Dandi March - 1930

17. Which among the following freedom fighter is related to 'Kakori Train Robbery'?

- A. Mahatma Gandhi
- B. Subhash Chandra Bose
- C. Bal Gangadhar Tilak
- D. Ram Prasad Bismil

Ans. D

Sol. The '**Kakori Train Robbery**' was conceived by **Ram Prasad Bismil and Ashfaqullah Khan**.

\* It took place at Kakori near Lucknow on 9<sup>th</sup> August 1925 during the Indian Independence Movement.

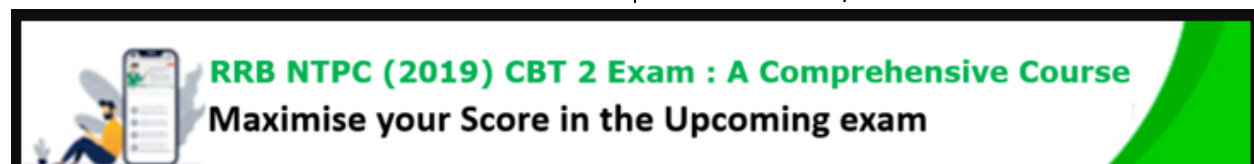
18. General Service Enlistment Act was passed in \_\_\_\_\_?

- A. 1858 AD
- B. 1857 AD
- C. 1856 AD
- D. 1855 AD

Ans. C

Sol. • **In 1856**, General Service Enlistment Act was passed under which every new recruit undertook to serve overseas. This hurt the sentiments of the **sepoys** (An Indian soldier in the Company's army).

• According to the religious beliefs of the Hindus, travel across the sea was



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forbidden . It is believed that the passing of this act was also a cause of rebellion of 1857.

19.What was the ancient name of Ujjain?

- A. Avantika
- B. Amravati
- C. Badayun
- D. Dwarka

Ans. A

Sol. Ujjain is an ancient city of central India in Madhya Pradesh, on the eastern bank of the Kshipra River. In ancient times the city was called Avantika. As per epic Mahabharata, Ujjain was the capital of Avanti Kingdom.

20.What was the title of ruler of Calicut when Vasco da Gama landed India?

- A. Harihar
- B. Zamorin
- C. Peshwa
- D. Tordesillas

Ans. B

Sol.

**Zamorin was title of the ruler of Calicut when Vasco da Gama landed India.**

\* Vasco da gama arrived in Calicut in May 1498.

\* The title zamorin first appears in the writings of Ibn Battuta in 1342.

\* It was locally known as **Samoothiri** in Malayalam language.

21.Who gave the philosophy of Ekatama Manavvaad?

- A. Aurbindo
- B. Krishnamurti

- C. Deendayal Upadhayay
- D. Mahatma Gandhi

Ans. C

Sol.

• **Deen Dayal Upadhayay gave the philosophy of Ekatama Manav Vaad.**

• Integral humanism is the philosophy of the only relation between human life and the whole creation.

• This philosophy was presented by Pandit Deendayal Upadhyay in the form of four lectures given in Mumbai from 22 to 25 April 1965.

22.In which of the following region the Rivers generally disappears?

- A. Terai
- B. Bhabhar
- C. Khadar
- D. Bangar

Ans. B

Sol.

**In Bhabar region the rivers generally disappear** under big boulders.

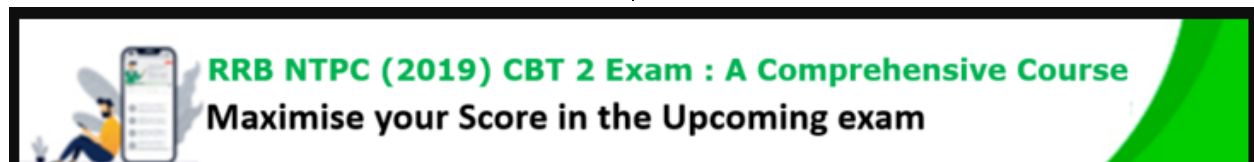
• Bhabhar regions are generally rocky, less vegetative and not suitable for agriculture.

• The Bhabar region has a width of 8-16 kms and found in the foothills of shivaliks.

• The **porosity** of Bhabar is a reason for this. The porosity is due to deposition of huge number of **pebbles and rock debris**.

23.What was the real name of Munshi Premchand?

- A. Lajpat Rai
- B. Dhanpat Rai
- C. Premchand



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D. Ram Ratan

Ans. B

Sol.

• **The real name of Munshi Premchand was Dhanpat Rai.**

• **Godan** is his one of the eminent works which were first published in 1936. The novel reflects the living conditions of a family stricken in poverty in the colonial era.

• **Gaban** was one of his other eminent works published in 1931. This novel was written in the realism style.

• Gaban has been translated in English by Christopher R King.

24.1931 Pact was signed between \_\_\_\_\_.

- A. Gandhi Ji & Lord Irwin
- B. Gandhi Ji & Mohd Jinnah
- C. Gandhi Ji & BR Ambedkar
- D. Gandhi Ji & Lord Willington

Ans. A

Sol.

• **Gandhi-Irwin pact was signed on March 5, 1931.**

• The pact was signed between **Gandhi ji and The Viceroy of India Lord Irwin.**

• The pact finalised that Gandhi ji will participate in second round table conference and on the other hand Irwin had accepted to release the political prisoners and also agreed on revenue reallocation etc.

### **Maths Questions**

1. An angle is greater than its complementary angle by  $30^\circ$ . Find the measure of the angle?

- A.  $30^\circ$
- B.  $90^\circ$
- C.  $60^\circ$

D.  $120^\circ$

Ans. C

Sol. Let the angle and its complementary angle be  $x$  and  $x - 30$  respectively, then

$$x + x - 30 = 90^\circ$$

$$\Rightarrow x = 60^\circ$$

Thus, the required angle is  $60^\circ$

2. A sum of money at simple interest amounts to Rs. 2240 in 2 years and to Rs. 2600 in 5 years. What is the principal amount?

- A. 1000
- B. 1500
- C. 2000
- D. 2500

Ans. C

Sol. SI for 3 year =  $2600 - 2240 = 360$

SI for 2 year  $(360/3) * 2 = 240$

principal =  $2240 - 240 = 2000$

3. A man's age is 125% of what it was 11 years ago, but  $11/13$  times of what it will be after 10 years. What is his present age?

- A. 55 years
- B. 38 years
- C. 44 years
- D. 65 years

Ans. A

Sol. Let the present age be  $x$  years

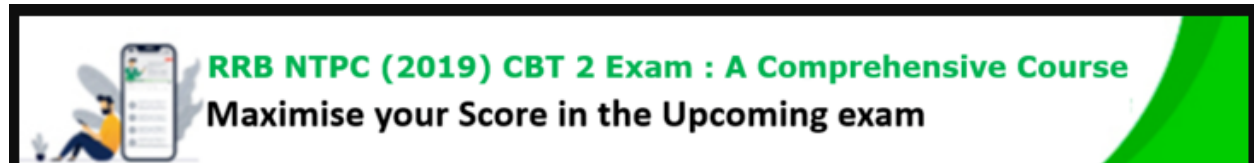
Age 11 years ago =  $(x - 11)$  years

$$x/(x - 11) = 125/100 \text{ or } 5/4$$

$$4x = 5x - 55$$

$$x = 55 \text{ years.}$$

Note that this question has additional information which is not required.



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4.A shopkeeper by selling 21 items earns a profit equal to the selling price of 1 item. What is his profit percentage?

- A. 5.5
- B. 2.2
- C. 2
- D. 5

Ans. D

Sol.  $21 \text{ SP} = 21 \text{ CP} + 1 \text{ SP}$

$$20 \text{ SP} = 21 \text{ CP}$$

$$\text{SP/CP} = 21/20$$

$$\text{CP} = 20 \text{ unit}$$

$$\text{SP} = 21 \text{ unit}$$

$$\text{Profit} = 1 \text{ unit}$$

$$\text{Profit \%} = (1/20) \times 100$$

$$= 5\%$$

5.A car manufacturing company sells two cars at Rs. 514536 each. It makes a profit of 30% in the sale of first car and a loss of 30% in the sale of the second car. What is its gain or loss percent?

- A. 8%loss
- B. 9% loss
- C. 6% gain
- D. none of the above

Ans. B

Sol. **Short Trick:**

In this question S.P. are same.

So there would be loss

$$= x\% \text{ of } x \text{ or } \frac{x^2}{100}$$

$$\text{Loss\%} = \frac{30 \times 30}{100} = 9\%$$

6.LCM and HCF of two algebraic expressions are  $(x^4 - 256)$  and  $(x + 3)$  respectively. One of the algebraic expressions is  $(x^2 - x - 12)$  find the other:

- A.  $x^2 + 16x + 64$
- B.  $x^3 + 16x^2 + 4x + 64$
- C.  $x^3 + 4x^2 + 64x + 16$
- D.  $x^3 + 4x^2 + 16x + 64$

Ans. D

Sol. Product of both expressions = HCF x LCM

$$\text{Second expression} = \frac{\text{HCF} \times \text{LCM}}{\text{First expression}}$$

$$\frac{(x^4 - 256)(x + 3)}{x^2 - x - 12}$$

$$= \frac{(x - 4)(x + 4)(x^2 + 16)(x + 3)}{(x - 4)(x + 3)}$$

$$\Rightarrow x^3 + 4x^2 + 16x + 64$$

7.LCM and HCF of two algebraic expressions are  $(x^4 - 256)$  and  $(x + 3)$  respectively. One of the algebraic expressions is  $(x^2 - x - 12)$  find the other:

- A.  $x^2 + 16x + 64$
- B.  $x^3 + 16x^2 + 4x + 64$
- C.  $x^3 + 4x^2 + 64x + 16$
- D.  $x^3 + 4x^2 + 16x + 64$

Ans. D

Sol. Product of both expressions = HCF x LCM

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$$\text{Second expression} = \frac{\text{HCF} \times \text{LCM}}{\text{First expression}}$$

$$\frac{(x^4 - 256)(x + 3)}{x^2 - x - 12}$$

$$= \frac{(x - 4)(x + 4)(x^2 + 16)(x + 3)}{(x - 4)(x + 3)}$$

$$\Rightarrow x^3 + 4x^2 + 16x + 64$$

8. Chandrakala earns Rs. 48000 per month and she spends 24 percent of it on house rent and food. Out of the remaining amount, she invests 25 percent in share market and 25 percent in her brother's business. What is the percentage of her salary she is left with?

- A. 26 percent
- B. 36 percent
- C. 38 percent
- D. None of the above

Ans. C

Sol. Expenditure on House rent and Food = 24 percent of salary  
remaining salary = 100 percent salary - 24 percent salary = 76 % salary  
Investment in share market =  
Investment in brother's business =  
25% of remaining salary = 25% of (76% of salary) = 19 percent of salary  
Hence, the remaining salary = 100 - 24 - 19 - 19 = 38 percent of salary

9. The LCM of two numbers is 1764 and their HCF is 84. If one of the numbers is 252, then find the other number?

- A. 168
- B. 420
- C. 588

D. 504

Ans. C

Sol. We know that, Product of two numbers = HCF × LCM

Let the unknown number be 'a'

$$a \times 252 = 1764 \times 84$$

$$a = 588$$

10. A financier claims to be lending money at simple interest, But he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes.

- A. 10.25%
- B. 10%
- C. 9.25%
- D. 9%

Ans. A

Sol. Let the sum is 100.

As financier includes interest every six months., then we will calculate SI for 6 months, then again for six months as below:

$$\text{SI for first Six Months} = (100 \times 10 \times 1) / (100 \times 2) = \text{Rs. } 5$$

$$\text{Important: now sum will become } 100 + 5 = 105$$

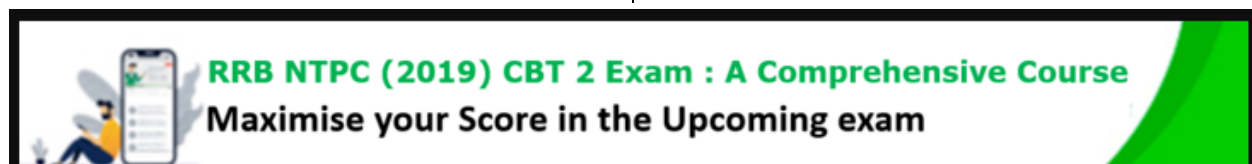
$$\text{SI for last Six Months} = (105 \times 10 \times 1) / (100 \times 2) = \text{Rs. } 5.25$$

$$\text{So amount at the end of year will be } (100 + 5 + 5.25)$$

$$= 110.25$$

$$\text{Effective rate} = 110.25 - 100 = 10.25$$

11. The average presence of the students in a class on Monday, Tuesday and Wednesday is 40 and on Wednesday, Thursday, Friday and Saturday is 44, then what is the number of students who attended the



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class on Wednesday, If the average number of students on all the six days i.e. Monday to Saturday is 42.

- A. 36
- B. 42
- C. 44
- D. 40

Ans. C

Sol. Since,  $Wed = (Mon + Tues + Wed) + (Wed + Thurs + Fri + Sat) - (Mon + Tues + Wed + Thurs + Fri + Sat)$

$$= (40 \times 3) + (44 \times 4) - (42 \times 6)$$

$$= 120 + 176 - 252 = 44$$

12. Find the LCM of 26, 54, and 78.

- A. 2106
- B. 351
- C. 702
- D. 1404

Ans. C

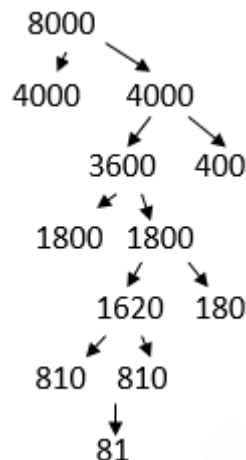
Sol. Factors of 26 =  $2 \times 13$   
 Factors of 54 =  $2 \times 3 \times 3 \times 3$   
 Factors of 78 =  $2 \times 3 \times 13$   
 LCM =  $2 \times 3 \times 3 \times 3 \times 13 = 702$

13. Everyday a fruit seller sells half of his stock. 10% of the remaining gets spoiled overnight. If 1983 fruits get spoiled over 3 nights. Find with how many did he started?

- A. 8000
- B. 16000
- C. 4000
- D. 24000

Ans. D

Sol.  $\frac{1}{2}$  is sold 3 times, Take 8000 for easy calculations  $\{1/2 + 1/2 + 1/2\}$



Total spoilt =  $400 + 180 + 81 = 661$   
 $*3 = 1983$   
 So, fruits  $8000 \times 3 = 24000$

14. A roll of paper is 4 km long has area  $\frac{1}{25}$  hectare, how wide is the paper?

- A. 0.3 m
- B. 0.4m
- C. 0.5m
- D. 0.1m

Ans. D

Sol. area of paper roll =  $l \times b$   
 where  $l$  is length and  $b$  is breadth

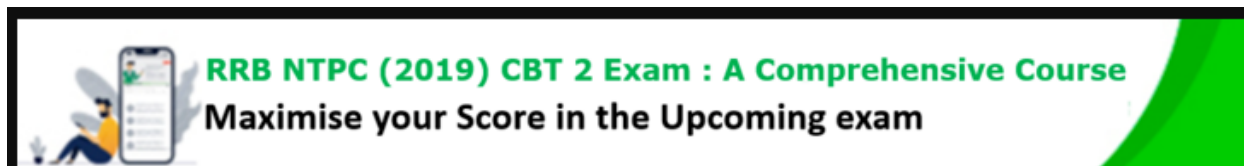
$$l \times b = \frac{1}{25} \times 10000 \quad (1 \text{ hectare} = 10000 \text{ m}^2)$$

$$4000 \times b = 400$$

$$b = 0.1 \text{ m}$$

15. Radha can row 20 kmph upstream and 40 kmph downstream in same time. Find Radha's speed in still water and speed of stream?

- A. 50,30
- B. 30, 5
- C. 40,20
- D. 30, 10



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E. 25, 15

Ans. D

Sol.  $\Rightarrow$  Let  $p$  be the rate of upstream and  $q$  be the rate of downstream

$$\Rightarrow \text{Rate in still water} = \frac{1}{2}(p + q)$$

$$\Rightarrow \text{Rate of current} = \frac{1}{2}(p - q)$$

$\Rightarrow$  Rate in still water =

$$\frac{1}{2}(20 + 40) = 30 \text{ kmph}$$

$\Rightarrow$  Rate of current =

$$\frac{1}{2}(40 - 20) = 10 \text{ kmph}$$

16. One year ago, the ratio of Gaurav's and Sachin's age was 6:7. 4 years hence this ratio would become 7:8. How old is Sachin?

- A. 35 years
- B. 36 years
- C. 63 years
- D. 53 years

Ans. B

Sol. Let their ages 1 year ago were  $6x$  and  $7x$  respectively. According to question.

$$(6x+1+4)/(7x+1+4)=7/8$$

$$49x-48x=40-35$$

$$x=5$$

1 year ago, Sachin's age were

$$=7 \times 5 = 35 \text{ year}$$

Present age of Sachin =  $35+1=36$  years

### Reasoning Questions

1. In a code language, 'LANTERN' is written as 'AELNNRT'. How will 'POSITIVE' be written as in that language?

- A. IIEPOSTV
- B. EIIOPTVS
- C. ISOPEVIT

D. EIIOPSTV

Ans. D

Sol.

**The pattern is:** Letters are arranged as per the Alphabetical order from left to right.

So, 'LANTERN' is written as 'AELNNRT' Similarly, 'POSITIVE' is written as 'EIIOPSTV'.

Hence, option D is the correct answer.

**2. Four words are given below out of which three are alike in some manner and one is different. Which one is different from the rest?**

- A. Blackboard
- B. Paper
- C. Slate
- D. Chalk

Ans. D

Sol.

Blackboard, paper and slate are the writing surfaces on which texts or drawing are made.

Chalk is used for writing or drawing on the surfaces .

So, Chalk is alike among the given options.

Hence, option D is the correct answer.

3. Teena is at 75 m distance from the south-east of Veena. Reena is at 75 m distance from the south-west of Veena. Teena is in \_\_\_\_\_ of the Reena.

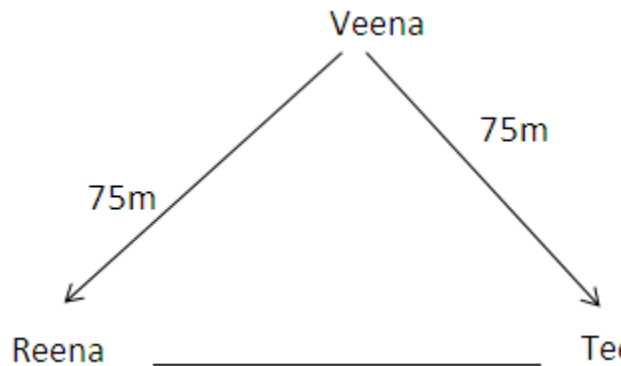
- A. East
- B. West
- C. South
- D. North

Ans. A

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Sol.

We can draw the following diagram-

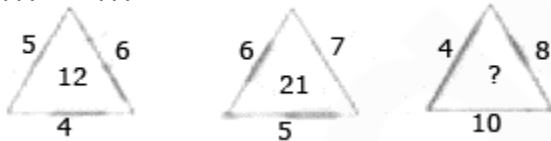


Its clear from the above figure that Teena is in east of the Reena. Hence, the correct answer is east direction.

4.

Common **Direction:** A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

End



- A. 22
- B. 14
- C. 320
- D. 32

Ans. D

$$5 \times 6 \times 4 = 120 \div 10 = 12$$

$$6 \times 7 \times 5 = 210 \div 10 = 21$$

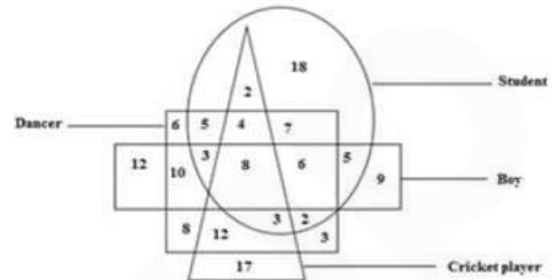
Similarly,

Sol.  $4 \times 8 \times 10 = 320 \div 10 = 32$

Hence, D is correct.

Topic Topic

5. In the following diagram, the triangle represents 'cricket players', the circle represents 'students', the rectangle represents 'boys' and the square represents 'dancers'. The numbers in different segments show the number of persons.



How many students are dancers and cricket players but not boys?

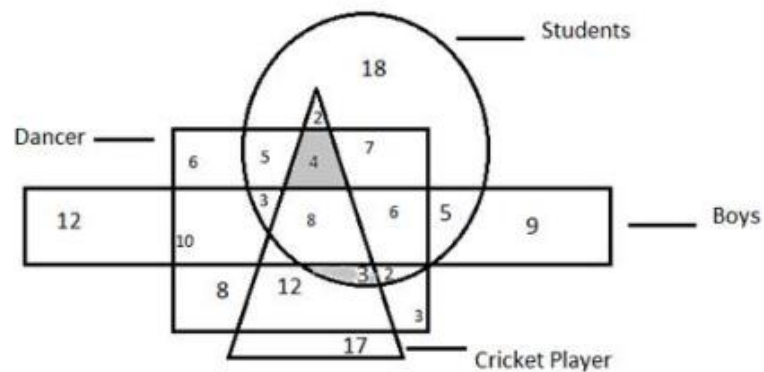
- A. 7
- B. 12
- C. 4
- D. 16

Ans. A

Sol.

As shown in diagram total number of students who are dancers and cricket players but not boys is:

$$4 + 3 = 7$$



Hence, option (A) is the correct response.

6. In a certain code language, 'TAPE' is written as 'SUZBOQDF'. How will

'MOCK' be written as in that language?

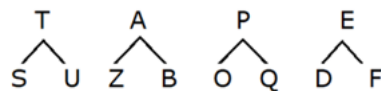
- A. KNNPBEBL
- B. MOPQDELM
- C. LNNPBDJL
- D. LOPQBCKL

Ans. C

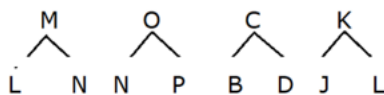
Sol.

The pattern is:

As,



Similarly,



Hence, option C is the correct answer.

**7. Identify the Venn diagram that best represents the relationship between the given classes.**

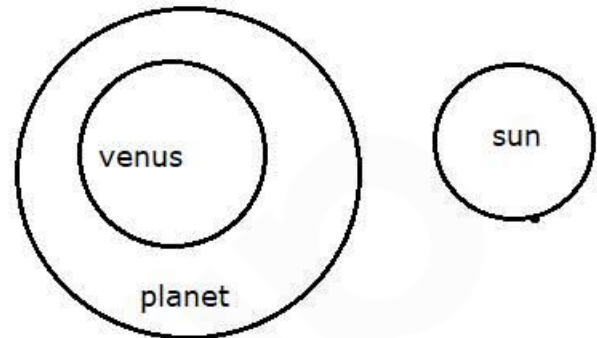
Venus, Planet, Sun

- A.
- B.
- C.
- D.

Ans. B

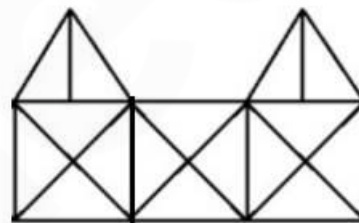
Sol.

Venus is a Planet. Sun is star. So the best representation is-



Hence, option B is the correct answer.

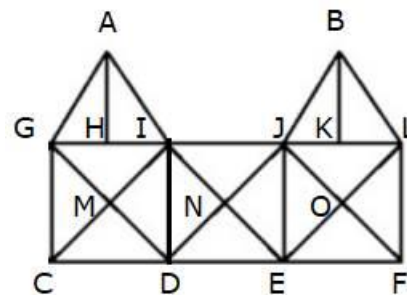
8. How many triangles are present in the following figure?



- A. 26
- B. 30
- C. 34
- D. 38

Ans. C

Sol.



There are total 34 triangles in all; AGH, AHI, BJK, BKL, GIC, ICD, GID,

GCD, IJD, JDE, IJE, IDE, JLF, JFE, JLE, LEF, GIM, IMD, CDM, CMG, IJN, JNE, NED, IND, JLO, LOF, OFE, EOJ, CIE, DJF, GDJ, IEL, AGI, BJL.

Hence, option C is the correct response.

**9. The first pair of words has a certain relation. Find the word with the same relation to complete the next pair.**

River : Bank :: Sea : ?

- A. Shore
- B. Creek
- C. Bay
- D. Sand

Ans. A

Sol.

The Bank consists of the sides of the river between which the river flows while a shore is the fringe of land at the edge of a large water body like sea.

Hence, option A is the correct answer.

**10. The first pair of words has a certain relation. Find the word with the same relation to complete the next pair.**

River : Bank :: Sea : ?

- A. Shore
- B. Creek
- C. Bay
- D. Sand

Ans. A

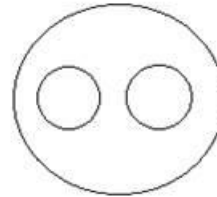
Sol.

The Bank consists of the sides of the river between which the river flows while a shore is the fringe of land at the edge of a large water body like sea.

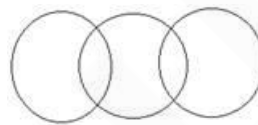
Hence, option A is the correct answer.

11. Select the Venn diagram that best represents the relationship between the following classes.

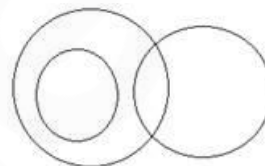
Engineer, Lawyer and Professionals



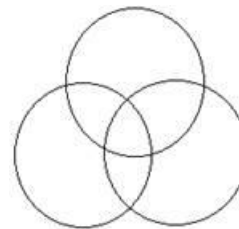
A.



B.



C.

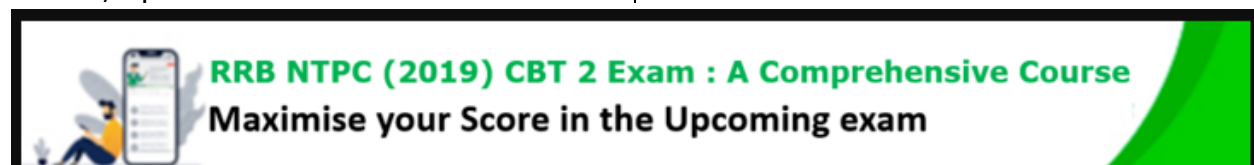


D.

Ans. A

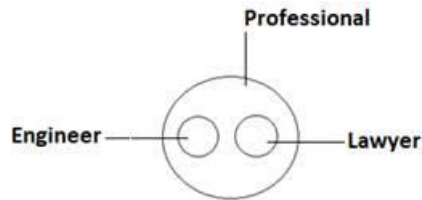
Sol.

The Venn-diagram that represents the relation between the given is as shown below:



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Hence, option A is the correct answer.

12. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

A.

B.

C.

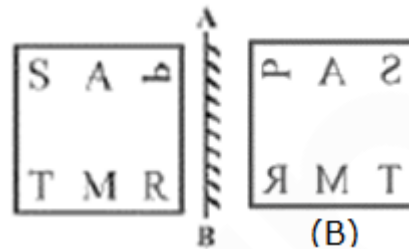
D.

E. None of these

Ans. B

Sol.

The mirror image is:



Hence, option B is the correct answer.

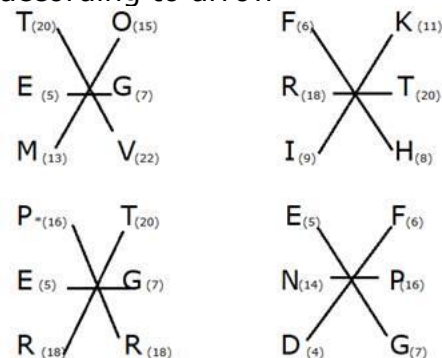
13. In a code language, 'TEMPER' is written as 'OGVTGR', how would 'FRIEND' be written in that language?

- A. ITGFPG
- B. KTHFPG
- C. JSHFPG
- D. KTHGOG

Ans. B

Sol.

Addition of 2 in each alphabet according to arrow



Hence, option B is the correct answer

14. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

21	18	32
19	22	?
299	296	348

- A. 14
- B. 28
- C. 30
- D. 24

Ans. A

Sol.

The pattern is:

$$1^{\text{st}} \text{ Column: } 21 \times 19 - 100 = 299$$

$$2^{\text{nd}} \text{ Column: } 18 \times 22 - 100 = 296$$

Similarly,

$$3^{\text{rd}} \text{ Column: } 32 \times ? - 100 = 348$$

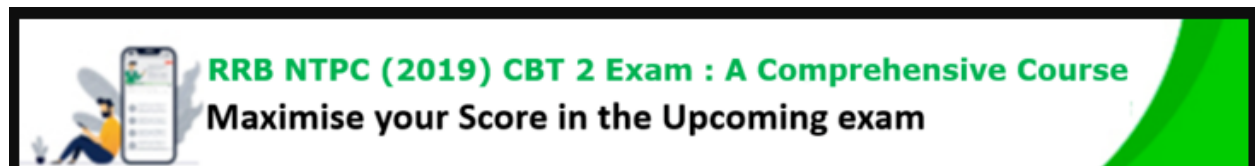
$$32 ? = 448$$

$$? = 448/32$$

$$? = 14$$

So, 14 is the missing number.

Hence, option A is the correct answer.



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