

RRB NTPC Memory Based Model Paper Based on Jan 21 Exam



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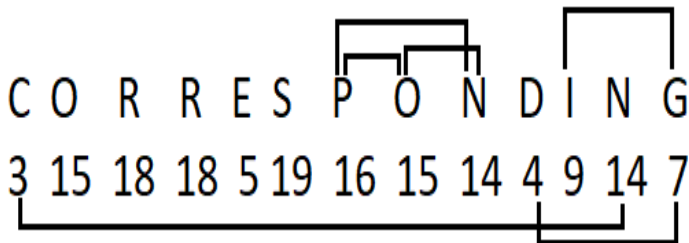
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Logical Reasoning

1. How many such pairs of letters are there in the word CORRESPONDING which have as many letters between them as in the English alphabetical series?

- a) 5
- b) 7
- c) 6
- d) 8

Answer: C



2. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- 1. A grey hare lived in the woods near a village.
- A. During the winter, when night came, he would prick one ear and listen.
- B. Then he would give one leap, two leaps.
- C. Jerk his whiskers, snuff, and sit up on his hind legs.
- D. Then he would pick up the other.

6. Through the snow, and sit up again on his hind legs and look all around.

- a) BACD
- b) ACBD
- c) BCAD
- d) ADCB

Answer: D

1. A grey hare lived in the woods near a village.

A. During the winter, when night came, he would prick one ear and listen.

D. Then he would pick up the other.

C. Jerk his whiskers, snuff, and sit up on his hind legs.

B. Then he would give one leap, two leaps.

6. Through the snow, and sit up again on his hind legs and look all around.

3. Select the odd one out.

- a) Wisdom
- b) Wealth
- c) Whispear
- d) Witeness

Answer: B

All options except 'Wealth' are wrongly spelt.

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4. If '+' means '÷', '×' means '+', '÷' means '-', and '-' means '×'. Then what will be the value of the expression given below?

$$18 + 3 - 5 \times 6 \div 4$$

- a) 64
- b) 32
- c) 35
- d) 24

Answer: B

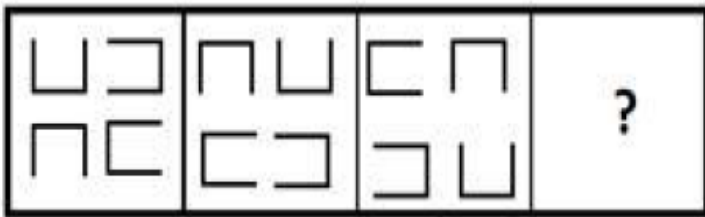
+	×	÷	-
÷	+	-	×

$$18 \div 3 \times 5 + 6 - 4$$

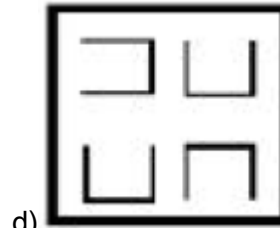
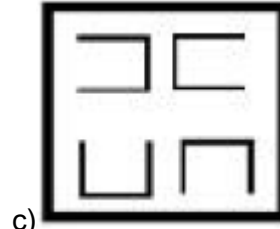
$$= 30 + 2$$

$$= 32$$

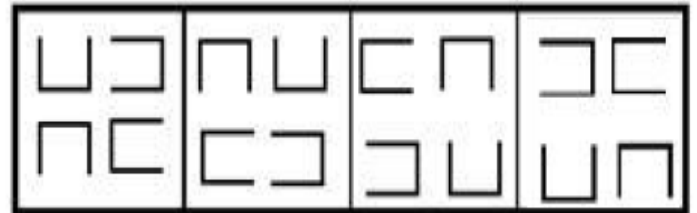
5. Select the figure that will come next in the following figure series.



- a)
- b)



Answer: C



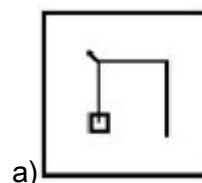
6. Choose the odd one out of the given options.

- a) Wool
- b) Feather
- c) Hair
- d) Grass

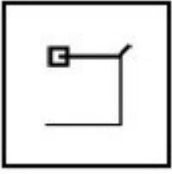
Answer: A

All options except 'grass' are obtained from animals.

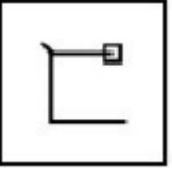
7. In the given question, there are four figures out of which three are similar in some manner and one is not like the others. Select the figure which is odd one out.



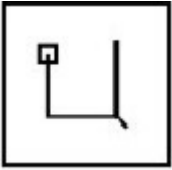
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b)



c)



d)

Answer: D

8. LUNG' is related to 'MAN' in the same way as 'GILL' is related to '_____':

- a) BIRD
- b) FISH
- c) FROG
- d) MONKEY

Answer: B

Lung forms the respiratory system of Man.

Gill forms the respiratory system of Fish.

9. Interchanging which two signs will make the following equation correct?

$$15 + 3 \times 9 - 4 \div 16 = 57$$

- a) - and +
- b) - and ÷
- c) - and ×
- d) + and ÷

Answer: D

$$15 + 3 \times 9 - 4 \div 16 = 57$$

d) + and ÷

$$15 \div 3 \times 9 - 4 + 16 = 57$$

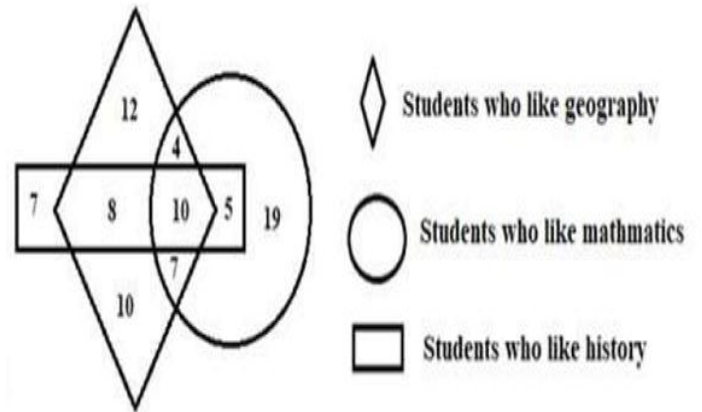
$$\Rightarrow 5 \times 9 - 4 + 16 = 57$$

$$\Rightarrow 45 - 4 + 16 = 57$$

$$\Rightarrow 61 - 4 = 57$$

$$\Rightarrow 57 = 57$$

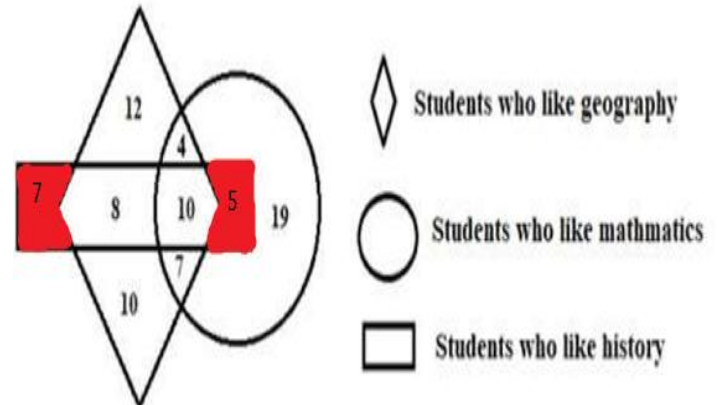
10. Study the Venn diagram given below and answer the question based on it.



How many students like history but not geography?

- a) 7
- b) 5
- c) 12
- d) 2

Answer: C

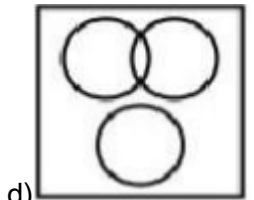
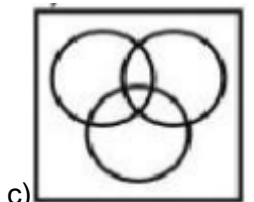
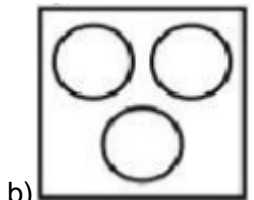


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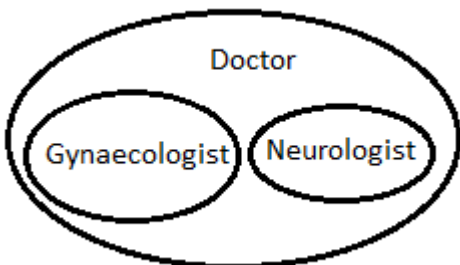
Number of students who like history but not geography = $7 + 5 = 12$

11. Identify the diagram that represents the relationship among the given classes.

Gynaecologist, Doctor, Neurologist



Answer: A



12. Select the option that will correctly replace the question mark (?) in the series.

KH, LF, NB, QV, UN, ?

- a) DZ
- b) ZD
- c) YC
- d) WY

Answer: B

$$K + 1 = L; L + 2 = N; N + 3 = Q; Q + 4 = U; U + 5 = Z$$

$$H - 2 = F; F - 4 = B; B - 6 = V; V - 8 = N; N - 10 = D$$

13. Select the option that will correctly replace the question mark (?) in the series.

13, 14, 22, 49, ?, 238

- a) 173
- b) 113
- c) 102
- d) 129

Answer: D

$$13 + 1^3 + 1^2 = 15$$

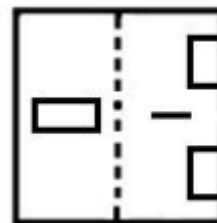
$$14 + 2^3 + 2^2 = 26$$

$$22 + 3^3 + 3^2 = 58$$

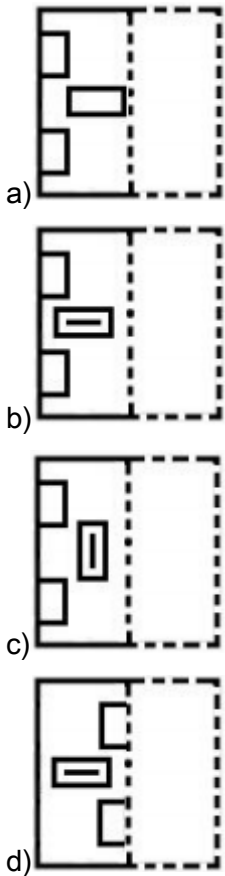
$$49 + 4^3 + 4^2 = 129$$

$$113 + 5^3 + 5^2 = 263$$

14. A square transparent sheet with a pattern is given. How will the pattern appear when the transparent sheet is folded along the dotted line?



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Answer: B

15. The statements below are followed by two conclusions labelled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

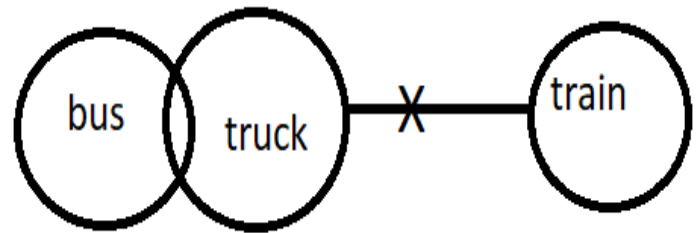
- I. Some bus are truck
- II. No truck is train

Conclusion:

- I. No bus is train
 - II. Some bus are not truck
- a) Only conclusion II follows.

- b) Neither conclusion I nor II follows.
- c) Only conclusion I follows.
- d) Both conclusions follow.

Answer: B



- I. No bus is train - False
- II. Some bus are not truck - False

16. Arrange the given words in the sequence in which they occur in the dictionary.

1. Monopoly
 2. Misogamy
 3. Municipality
 4. Myopia
 5. Mustard
- a) 2, 3, 1, 5, 4
 - b) 2, 1, 3, 5, 4
 - c) 2, 1, 5, 3, 4
 - d) 2, 5, 3, 1, 4

Answer: B

2. Misogamy
1. Monopoly
3. Municipality
5. Mustard
4. Myopia

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17. The statements below are followed by two conclusions labelled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

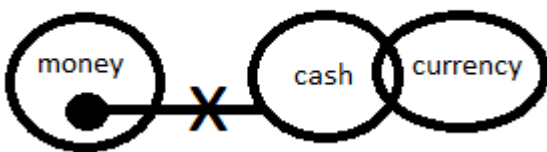
Statements:

- I. Some currency is cash
- II. Some money is not cash

Conclusion:

- I. Some money is not currency
- II. Some currency is cash
- a) Only conclusion II follows.
- b) Both conclusions follow.
- c) Only conclusion I follows.
- d) Neither conclusion I nor II follows.

Answer: A



- I. Some money is not currency - False
- II. Some currency is cash - True

18. In a certain code, QUEEN is written as 10-6-22-22-13. How will CROWN be written in that code?

- a) 24-9-15-4-13
- b) 24-9-15-4-14
- c) 24-9-12-4-14
- d) 24-9-12-4-13

Answer: D

Q	U	E	E	N
J	F	V	V	M
10	6	22	22	13

Similarly,

C	R	O	W	N
X	I	L	D	M
24	9	12	4	13

19. Three positions of a dice are shown below. When '*' is at the bottom, which symbol will be at the top?



- a) &
- b) \$
- c) +
- d) #

Answer: A

As '*' is the common face on both 2nd and 3rd dice, the other faces on these dice are adjacent to '*' and '&' is opposite to it.

So, when '*' is at the bottom, '&' is at the top.

20. Consider the statements and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Statement:

Their chief guest at a painting exhibition applauded the painting of a very renowned artist for his marvellous work.

Assumptions:

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I. The painter is a very famous established artist.

II. The chief guest was impressed by his art.

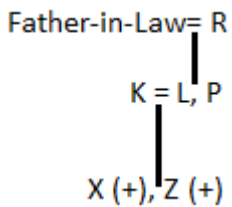
- a) Only I is implicit.
- b) Only II is implicit.
- c) Neither I nor II is implicit.
- d) Both I and II are implicit.

Answer: D

21. X is the son of L and Z is the son of K. K's father-in-law is married to R. If R has two grandsons, and P is the sister of L, then how is K related to P?

- a) Sister
- b) Sister-in-law
- c) Mother
- d) Mother-in-law

Answer: B



K is sister-in-law of P.

22. Karan said to Mohan, "The boy playing cricket is the son of his brother's only sister". How is Karan related to the father of the boy playing cricket?

- a) Brother
- b) Brother-in-law
- c) Uncle
- d) Father-in-law

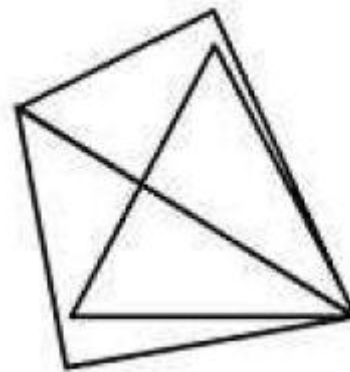
Answer: B

Karan, Brother, Sister = Husband



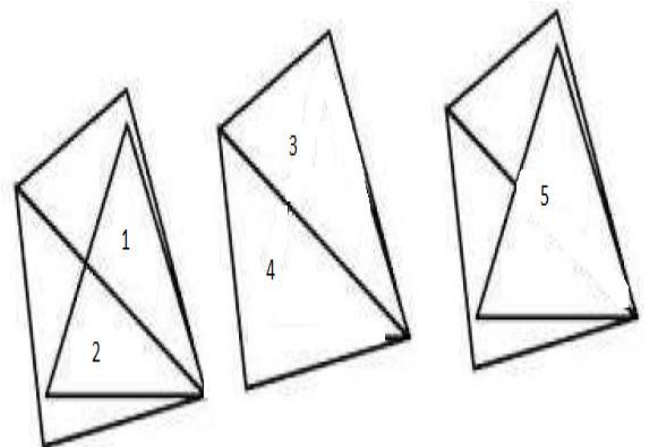
Karan is brother-in-law of the father of the boy playing cricket.

23. How many triangles are there in the given figure?



- a) 5
- b) 7
- c) 9
- d) 6

Answer: A



24. The ratio of the present age of P and R is 5 : 3. If the difference between their ages is 8 years, then what will be P's age after 6 years?

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- a) 10 years
- b) 26 years
- c) 20 years
- d) 16 years

Answer: B

Let their age be measured in terms of a.

According to question:

$$5a - 3a = 8$$

$$\Rightarrow 2a = 8$$

$$\Rightarrow a = 4$$

So, present age of P is $5a = 5 \times 4 = 20$ years

P's age after 6 years = $20 + 6 = 26$ years

25. A statement is followed by two arguments.

Decide which of the arguments is/are strong with respect to the statement.

Statement:

For people with deep rooted ideologies, change is difficult to accept and adopt.

Arguments:

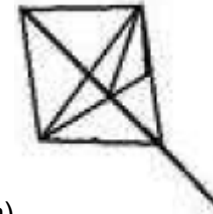
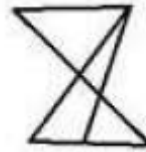
I. There cannot be any change in the current social structure.

II. As the society moves ahead in its overall beliefs, we are expected to change and adopt new ways of lifestyle and social changes.

- a) Both I and II are strong.
- b) Only I is strong.
- c) Only II is strong.
- d) Neither I nor II is strong.

Answer: C

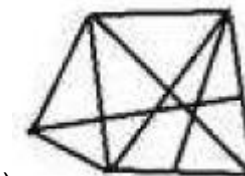
26. Select the option in which the given figure is embedded when rotation is not allowed.



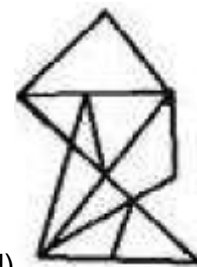
a)



b)

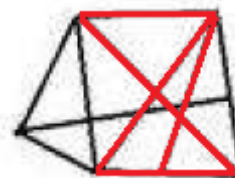


c)



d)

Answer: C



27. Which two numbers should be interchanged in the following equation to make it correct?

$$3 \times 9 + 5 - 18 \div 7 = 24$$

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- a) 9 and 7
- b) 3 and 5
- c) 18 and 5
- d) 7 and 5

Answer: A

$$3 \times 9 + 5 - 18 \div 7 = 24$$

- a) 9 and 7

$$3 \times 7 + 5 - 18 \div 9 = 24$$

$$\Rightarrow 21 + 5 - 2 = 24$$

$$\Rightarrow 26 - 2 = 24$$

$$\Rightarrow 24 = 24$$

28. Select the word-pair in which the two words are related in the same way as are the words in the following word-pair.

Hospital : Treatment

- a) Tourist : Tourism
- b) School : Education
- c) Book : Library
- d) Mechanic : Instrument

Answer: B

We go to hospital for treatment.

Similarly,

We go to school for education.

29. Consider the following statement and decide which of the conclusions follow from the statement.

Statement:

Raja says to Prity, "Your mobile has all the latest features".

Conclusions:

I. Raja is tech savvy.

II. Raja likes Prity's mobile.

- a) Only conclusion II follows
- b) Only conclusion I follows
- c) Both conclusion I and II follows
- d) None of the conclusion follows

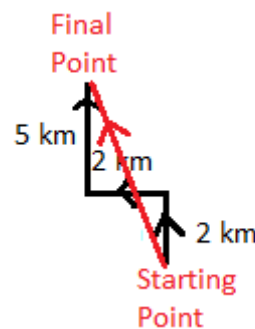
Answer: B

30. Rohit runs 2 km towards north and then turning to his left he runs another 2 km.

Now, turning to his right he runs 5 km. In which direction is he from his starting point?

- a) South-West
- b) South-East
- c) North-East
- d) North-West

Answer: D



Mathematics

1. If any number increases by 5% and decreases by 5%, then find the net percentage.

- a) 2.4%
- b) - 0.25%
- c) + 0.25%
- d) 2%

Answer: B

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$$\text{Net Percentage} = 5 - 5 - 5 \times 5/100$$

$$= 0 - 25/100$$

$$= - 0.25\%$$

2. Find the fraction value of $0.\overline{23}$.

a) 23/100

b) 23/69

c) 23/99

d) 23/90

Answer: C

$$0.\overline{23} = 23/99$$

3. If 1 : 15000 is ratio from A to B with distance of 6 cm, then find the actual distance.

a) 0.9 km

b) 1.6 km

c) 2.3 km

d) -1.2 km

Answer: A

$$1 \text{ cm} = 15000 \text{ cm}$$

$$1 \text{ cm} = 150 \text{ m}$$

$$1 \text{ cm} = 0.15 \text{ km}$$

$$\text{Actual distance} = 6 \times 0.15 = 0.9 \text{ km}$$

4. The amount of Rs. 2116/- at an annual rate of 15% with principal sum of Rs. 1600/- compounded annually. Find the time.

a) 8 years

b) 5 years

c) 2 years

d) 10 years

Answer: C

$$\text{Amount} = \text{Principal} \times (1 + r/100)^n$$

$$2116 = 1600 \times (1 + 15/100)^n$$

$$2116/1600 = (1 + 3/20)^n$$

$$529/400 = (1 + 3/20)^n$$

$$(23/20)^2 = (1 + 3/20)^n$$

$$(23/20)^2 = (23/20)^n$$

$$n = 2$$

Time = 2 years

5. If the radius of outer circle is 14 cm and radius of inner circle is 7 cm, then find the area of the ring.

a) 500 cm²

b) 362 cm²

c) 460 cm²

d) 462 cm²

Answer: D

Let the radius of outer circle be 'R'

The radius of inner circle be 'r'

$$\text{Area of the ring} = \pi \times (R^2 - r^2)$$

$$= \pi \times (14^2 - 7^2)$$

$$= 22/7 \times (14 - 7) \times (14 + 7)$$

$$= 22/7 \times 7 \times 21$$

$$= 22 \times 21$$

$$= 462 \text{ cm}^2$$

6. If total surface area of cube is 1944 cm², then find the volume.

a) 3669 cm³

b) 5832 cm³

c) 4530 cm³

d) 5436 cm³

Answer: B

$$\text{Total surface area of cube} = 1944$$

$$6 \times a^2 = 1944$$

$$a^2 = 1944/6$$

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$$a^2 = 324$$

$$a = 18 \text{ cm}$$

$$\text{Volume of Cube} = a^3$$

$$= 18^3$$

$$= 5832 \text{ cm}^3$$

7. If A pipe can fill a tank in 12 hour, B pipe can fill a tank in 15 hour and C pipe can empty a tank in 10 hour, then find the total time taken while all the three pipes are open?

a) 20 hours

b) 60 hours

c) 30 hours

d) 40 hours

Answer: A

A fill the tank in one hour work = $1/12$

B fill the tank in one hour = $1/15$

C empty the tank in one hour = $1/10$

$$\text{Total} = 1/12 + 1/15 - 1/10$$

$$= (5 + 4 - 6)/60$$

$$= 3/60$$

$$= 1/20$$

Total time taken = 20 hours

8. Find the rational number between $\sqrt{5}$ and $\sqrt{7}$.

a) $1(2/5)$

b) $2(2/5)$

c) $3(2/5)$

d) $4(2/5)$

Answer: B

$$\sqrt{5} = 2.2$$

$$\sqrt{7} = 2.6$$

2.5 lie between 2.2 and 2.6,

So, correct option is B

9. What is $\sqrt{2} \times \sqrt{3}$?

a) Irrational Number

b) Rational Number

c) Whole Number

d) Natural Number

Answer: A

$$\sqrt{2} \times \sqrt{3} = \sqrt{6} = 2.4494.....$$

So irrational number

10. If 6 is added to fraction, then new fraction is $\frac{3}{4}$ times more than original fraction, then find the value of denominator.

a) 8

b) 1

c) 5

d) 2

Answer: B

Let the original fraction be x/y

According to the question,

$$x/y + 6 = x/y + \frac{3}{4} \times x/y$$

$$x/y + 6 = 7/4 \times x/y$$

$$6 = 7/4 \times x/y - x/y$$

$$6 = \frac{3}{4} \times x/y$$

$$x/y = 8/1$$

Denominator = 1

11. If 12 men can do a work in 8 days, but after 3 days of work it is decided that remaining work should be completed in 4 days then how many more men will be needed to complete the work?

a) 12

b) 15

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c) 3

d) 8

Answer: C

$$12 \times 8 = 12 \times 3 + x \times 4$$

$$12 \times 5 = x \times 4$$

$$x = 15$$

It means extra 3 mean will be needed to complete the work.

12. Which is 4 digit largest numbers that is completely divisible by 8?

a) 9960

b) 9999

c) 9652

d) 9890

Answer: A

$$9999 \div 83 = 120$$

$$\text{So, } 120 \times 83 = 9960$$

13. At which digit $3/8$ can't further divide.

a) 1st digit

b) 2nd digit

c) 3rd digit

d) 4th digit

Answer: C

$$3/8 = 0.375$$

After 5, $3/8$ can't divide further.

14. Which is different?

a) π

b) $\sqrt{3}$

c) 0.128168....

d) $0.\overline{45}$

Answer: D

Option a, b and c are irrational number and option d is rational number.

15. If any number is dividing by 5 and further divide by 3 then that number is equal to half of 80 and half of $1/10$, then find the number.

a) 100

b) 50

c) 60

d) 30

Answer: D

$$x \times 1/5 \times 1/3 = 80/2 \times 1/10 \times 1/2$$

$$x \times 1/5 \times 1/3 = 40 \times 1/10 \times 1/2$$

$$x \times 1/5 \times 1/3 = 2$$

$$x = 2 \times 5 \times 3 = 30$$

16. If $x = 5$ and $y = 2$, then find the value of $16x^4 + 25y^4 - 40x^2y$.

a) 6400

b) 10000

c) 8100

d) 8000

Answer: C

$$16x^4 + 25y^4 - 40x^2y$$

$$= (4x^2 - 5y)^2$$

Putting the value of x and y

$$= (4 \times 5^2 - 5 \times 2)^2$$

$$= (4 \times 25 - 10)^2$$

$$= (100 - 10)^2$$

$$= 90^2$$

$$= 8100$$

17. If we reduce an amount by 10% it becomes Rs. 279/-, then find the original amount.

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- a) Rs. 300
- b) Rs. 310
- c) Rs. 279
- d) Rs. 280

Answer: B

Let the original amount be x

According to the question,

$$90\% \text{ of } x = 279$$

$$90/100 \times x = 279$$

$$x = 2790/9$$

$$x = 310$$

The original amount is Rs. 310.

18. Identify $(\sqrt{3} + \sqrt{11})^2$ the given number.

- a) Irrational Number
- b) Rational Number
- c) Whole Number
- d) Natural Number

Answer: A

$$(\sqrt{3} + \sqrt{11})^2$$

$$= 3 + 11 + 2 \times \sqrt{33}$$

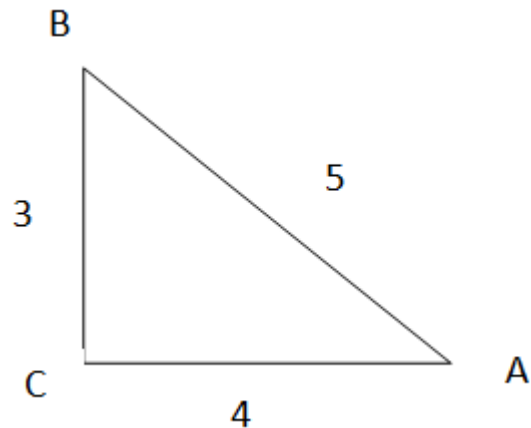
$$= 14 + 2 \times \sqrt{33}$$

$\sqrt{33}$ is not a perfect square it means given number is Irrational Number.

19. If $\sin A = 3/5$ and $A + B = 90^\circ$, then find the value of $\tan B$.

- a) 4/5
- b) 3/4
- c) 4/3
- d) 5/4

Answer: C



$$\sin A = 3/5$$

$$\text{So, } \tan B = 4/3$$

20. Solve: $(\sqrt{7} + \sqrt{9})(\sqrt{7} - \sqrt{9})$

- a) -2
- b) 2
- c) 3
- d) 9

Answer: A

$$(\sqrt{7} + \sqrt{9})(\sqrt{7} - \sqrt{9}) = 7 - 9 = -2$$

21. The train of length 400 m, cross a bridge of length 600 m with speed of 60 km/hr. Find the time taken by train to cross the bridge?

- a) 20 sec
- b) 60 sec
- c) 30 sec
- d) 90 sec

Answer: B

$$\text{Time} = \text{Speed} / \text{Distance} = (60 \times 5 / 18) / 1000 = 60 \text{ sec}$$

22. The Cost Price of 10 shirts is equal to Selling Price of 8 shirts. Find the loss or profit percent?

- a) 12%

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b) 10%

c) 25%

d) 20%

Answer: C

Cost Price of 10 shirts = Selling Price of 8 shirts

$$CP \times 10 = SP \times 8$$

$$SP/CP = 10/8$$

$$SP/CP = 5/4$$

$$\text{Profit \%} = (SP - CP)/CP \times 100$$

$$= (SP/CP - 1) \times 100$$

$$= (5/4 - 1) \times 100$$

$$= 100/4$$

$$= 25\%$$

23. Find the third proportion of 16 and 40.

a) 60

b) 10

c) 100

d) 40

Answer: C

$$\text{Third Proportion} = 40 \times 40 / 16 = 100$$

24. Solve: $1 + \tan 75^\circ \times \cot 15^\circ$

a) $\cos^2 75^\circ$

b) $\sec^2 75^\circ$

c) $\operatorname{cosec}^2 75^\circ$

d) $\sin^2 75^\circ$

Answer: B

$$1 + \tan 75^\circ \times \cot 15^\circ$$

$$= 1 + \tan 75^\circ \times \tan 75^\circ$$

$$= 1 + \tan^2 75^\circ$$

$$= \sec^2 75^\circ$$

25. Find the mean of first 8 odd numbers.

a) 4

b) 5

c) 7

d) 8

Answer: D

First 8 odd numbers: 1, 3, 5, 7, 9, 11, 13, 15

$$\text{Mean} = 7 + 9/2$$

$$= 16/2$$

$$= 8$$

26. The HCF of 51, 85 is $51x - 85$. Find the value of

x.

a) 2

b) 1

c) 0

d) 3

Answer: A

HCF of 51, 85 = 17

$$\text{So, } 17 = 51x - 85$$

$$51x = 85 + 17$$

$$51x = 102$$

$$x = 102/51$$

$$x = 2$$

27. Find the mean of $m + 3$, $m + 5$, $m + 6$, $m + 9$, m

+ 12.

a) $m + 6$

b) $m + 14$

c) $m + 7$

d) $m + 12$

Answer: C

$$\text{Mean} = m + 3 + m + 5 + m + 6 + m + 9 + m + 12$$

$$= 5m + 35/5$$

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$$= m + 7$$

28. If mean = $(3 \times \text{median} - \text{mode})/P$, then find the value of P.

- a) 4
- b) 3
- c) 5
- d) 2

Answer: D

$$\text{Mode} = 3 \times \text{median} - 2 \times \text{mean}$$

$$\text{Mean} = (3 \times \text{median} - \text{mode})/2$$

$$\text{So, } P = 2$$

29. A and B can complete a work in 12 days, B and C can complete a work in 18 days, C and A and complete a work in 9 days, then find how many days taken by A, B and C to complete the same work.

- a) 8 days
- b) 4 days
- c) 9 days
- d) 12 days

Answer: A

$$(A + B)\text{'s one day work} = 1/12$$

$$(B + C)\text{'s one day work} = 1/18$$

$$(C + A)\text{'s one day work} = 1/9$$

$$2 \times (A + B + C)\text{'s one day work} = 1/12 + 1/18 + 1/9$$

$$2 \times (A + B + C)\text{'s one day work} = (3 + 2 + 4)/36$$

$$2 \times (A + B + C)\text{'s one day work} = 9/36$$

$$2 \times (A + B + C)\text{'s one day work} = 1/4$$

$$(A + B + C)\text{'s one day work} = 1/8$$

No. of days taken by A, B and C together to complete the work is 8 days.

30. If R score 12 more marks than M, maximum marks in an examination is 200 marks and R obtained 54% of maximum marks, then find the marks obtained by M.

- a) 96 marks
- b) 200 marks
- c) 108 marks
- d) 90 marks

Answer: A

$$R = 54\% \text{ of maximum marks}$$

$$= 54\% \text{ of } 200$$

$$= 54/100 \times 200$$

$$= 54 \times 2$$

$$= 108 \text{ marks}$$

$$R = 12 + M$$

$$M = 108 - 12$$

$$M = 96 \text{ marks}$$

General Awareness

1) Where will ICC World Cup 2023 be held?

- a) India
- b) South-africa
- c) United Arab emirates
- d) Australia

Answer: a)

The 2023 Men's ICC Cricket World Cup will be the 13th edition of the ICC Men's Cricket World Cup, scheduled to be hosted by India during October and November 2023.

2) When was Third Mysore war fought?

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- a) 1790
- b) 1788
- c) 1795
- d) 1781

Answer: a)

The Third Anglo–Mysore War was a conflict in South India between the Kingdom of Mysore and the East India Company, Kingdom of Travancore, Maratha Empire, and the Nizam of Hyderabad. It was fought in 1790.

3) Which is the 2nd highest peak of Himalayas?

- a) Kanchenjunga
- b) K2
- c) Mount Everest
- d) Makalu

Answer: b)

K2, is the second highest peak of Himalayas, after Mount Everest. It is located on the China–Pakistan border between Baltistan in the Gilgit-Baltistan region of northern Pakistan, and Dafdar Township in Taxkorgan Tajik Autonomous County of Xinjiang, China.

4) Which article of the constitution talks about the Hindi language?

- a) Article 343
- b) Article 340
- c) Article 344
- d) Article 342

Answer: a)

Article 343 of the constitution talks about the Hindi language. It states that the official language of the Union shall be Hindi in Devanagari script.

5) Where was the first Panchayat started in India?

- a) Rajasthan
- b) Gujarat
- c) Uttar Pradesh
- d) Bihar

Answer: a)

The Panchayat Raj system was first adopted by the state of Rajasthan in Nagaur district on 2 Oct 1959.

6) In which year the power of the British Government was transferred to British Parliament?

- a) 1855
- b) 1858
- c) 1866
- d) 1891

Answer: b)

The Government of India Act 1858 was an Act of the British parliament that transferred the government and territories of the East India Company to the British Crown. The company's rule over British territories in India came to an end and it was passed directly to the British government.

7) Where is the headquarter of FIH?

- a) Lausanne, Switzerland
- b) Brussels, Belgium
- c) Nairobi, Kenya

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d) Paris, France

Answer: a)

FIH is responsible for field hockey's major international tournaments, notably the World Cup. Its headquarters are in Lausanne, Switzerland and the president is Dr Narinder Dhruv Batra.

8) National Pollution Control Day is observed on_____.

a) December 10

b) December 2

c) December 27

d) December 15

Answer: b)

National Pollution Control Day is observed on December 2 to instill awareness among people about environmental pollution and its disastrous consequences.

9) Which is the largest gland in Human body?

a) Pituitary gland

b) Hypothalamus

c) Pineal gland

d) Liver

Answer: d)

The liver is large, reddish-brown organs that lie on the right side of the belly weighing about 3 pounds. It is the largest gland in humans.

10) When is World suicide prevention day observed?

a) 18th May

b) 10th September

c) 30th March

d) 14th August

Answer: b)

World Suicide Prevention Day (WSPD) is an awareness day observed on 10 September every year, in order to provide worldwide commitment and action to prevent suicides, with various activities around the world since 2003.

11) Ilbert bill came during which viceroy's rule in India?

a) Lord Canning

b) Warren Hastings

c) Lord Irwin

d) George Robinson

Answer: d)

The Ilbert Bill was a legislative act introduced in 1883 during the tenure of Viceroy Ripon and written by Sir Courtenay Pergine Ilbert. The act stipulated that Indian judges could try Europeans.

12) 2024 Summer Olympics will be hosted by_____?

a) Los Angeles, United States

b) Paris, France

c) Athens, Greece

d) Tokyo, Japan

Answer: b)

The 2024 Summer Olympics is a forthcoming international multi-sport event that is scheduled to

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take place from 26 July to 11 August 2024 in Paris, France.

13) Who among the following was the 1st UN Secretary-General?

- a) Trygve Lie
- b) Kurt Waldheim
- c) Javier Perez de Cuellar
- d) Ban Ki-moon

Answer: a)

Trygve Halvdan Lie was a Norwegian politician, labour leader, government official and author. From 1946 to 1952 he was the first Secretary-General of the United Nations.

14) Which one of the following was not an RBI Governor?

- a) Shaktikanta Das
- b) Urjit Patel
- c) Raghuram Rajan
- d) Michael Patra

Answer: d)

Michael Patra is an Indian economist and central banker. He is currently serving as one of its four deputy governors of RBI.

15) Which Indian got the Nobel prize in 1913?

- a) Rabindranath Tagore
- b) Subrahmanyam Chandrasekhar
- c) Sir Chandrasekhara Venkata Raman
- d) Mother Teresa

Answer: A

Rabindranath Tagore brought glory to the country and he became the first Indian to win the Nobel Prize for the country. He was accorded the honour in 1913 in the field of literature.

16) Green revolution of India is related to increased production of _____.

- a) Jute
- b) Fertilizers
- c) Fish
- d) Leather

Answer: B

Green revolution is related to increased fertilizer production. It is basically associated with the mal-effects of the green revolution of India focusing on what can happen if the new agricultural equipment turns things wrong.

17) Which of the following is present in the 8th Schedule of the Indian Constitution?

- a) Forms of Oaths or Affirmations
- b) Administration and Control of Scheduled Areas and Scheduled Tribes
- c) recognized languages
- d) powers, authority and responsibilities of Panchayats

Answer: c)

The Eighth Schedule to the Constitution of India lists the official languages of the Republic of India. As per Articles 344(1) and 351 of the Indian Constitution,

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the eighth schedule includes the recognition of the 22 languages.

18) Abolishment of Title in which of the following Article?

- a) Article 15
- b) Article 12
- c) Article 16
- d) Article 18

Answer: d)

Article 18 abolishes all titles. It prohibits the State to confer titles on anybody whether a citizen or a non-citizen. Military and academic distinctions are, however, exempted from the prohibition.

19) First 5 Year Plan was launched on which date?

- a) July 9, 1951
- b) May 14, 1956
- c) March 24, 1955
- d) August 15, 1959

Answer: a)

India's first Prime Minister Jawaharlal Nehru presented the First Five-Year Plan to the Parliament on 9 July 1951. Five-Year Plans were a formal model of planning adopted by the Indian government after Independence, for an effective and balanced utilisation of resources.

20) Which of the following states does not share a boundary with Nepal?

- a) Uttarakhand

b) Uttar Pradesh

c) Sikkim

d) Andhra Pradesh

Answer: d)

Indian states that share borders with Nepal are Uttarakhand, Uttar Pradesh, Sikkim, West Bengal, and Bihar.

21) Red Data Book is for_____.

- a) Vulnerable
- b) Endangered
- c) Critically Endangered
- d) Extinct In The Wild

Answer: b)

The Red Data Book is the state document established for documenting rare and endangered species of animals, plants and fungi as well as some local sub-species that exist within the territory of the state or country.

22) Which of the following is an operating system?

- a) Linux
- b) Google chrome
- c) Mozilla firefox
- d) Instagram

Answer: a)

Linux is a family of open-source Unix-like operating systems . It was first released on September 17, 1991, by Linus Torvalds.

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23) Mysore Maharaja Palace was built by which dynasty?

- a) Wadiyar Dynasty
- b) Maurya Dynasty
- c) Kushan Dynasty
- d) Gupta Dynasty

Answer: a)

Mysore Maharaja Palace is managed by the Government of Karnataka and the official residence of the Wadiyar Dynasty. It was commissioned by Maharani Kempananjammani Devi and Maharaja Krishnaraja Wodeyar IV.

24) Quwwat-ul-Islam Mosque was built by?

- a) Babur
- b) Abdul Haq
- c) Shahjahan
- d) Qutub-ud-Din Aibak

Answer: d)

Quwwat-ul-Islam Mosque, is the earliest extant mosque built by the Delhi Sultans. It was built by Qutub-ud-Din Aibak in A.D. 1198.

25) Which computer program interprets software programs written in assembly language into machine language?

- a) Compiler
- b) Interpreter
- c) Assembler
- d) Both a and c

Answer: c)

An assembler is a program that takes basic computer instructions and converts them into a pattern of bits that the computer's processor can use to perform its basic operations. It is a type of computer program that interprets software programs written in assembly language into machine language.

26) When was the name of the State bank changed from the Imperial bank of India?

- a) June 1951
- b) July 1955
- c) May 1952
- d) August 1950

Answer: B

As per the provisions of the State Bank of India Act of 1955, the Reserve Bank of India, which is India's central bank, acquired a controlling interest in the Imperial Bank of India. On 1 July 1955, the Imperial Bank of India became the State Bank of India.

27) Amnesty International is headquartered in_____.

- a) Paris, France
- b) Vienna, Austria
- c) New York, United States
- d) London, United Kingdom

Answer: d)

Amnesty International is a non-governmental organization with its headquarters in the London, United Kingdom focused on human rights.

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28) Which one of the following is NOT a part of Human eye?

- a) Iris
- b) Lens
- c) Vitreous Humor
- d) Pons

Answer: d)

The pons is part of the brainstem, and in humans and other bipeds lies inferior to the midbrain, superior to the medulla oblongata and anterior to the cerebellum.

29) Zoji La is a high mountain pass in_____.

- a) Ladakh
- b) Sikkim
- c) Uttarakhand
- d) Himachal Pradesh

Answer: a)

Zoji La is a high mountain pass in the Himalayas in the Indian union territory of Ladakh. The pass connects the Kashmir Valley to its west with the Dras and Suru valleys to its northeast and the Indus valley further east.

30) World Bank was established in which year?

- a) 1944
- b) 1949
- c) 1951
- d) 1959

Answer: a)

The World Bank is an international financial institution that provides loans and grants to the governments of low- and middle-income countries for the purpose of pursuing capital projects. The World Bank was created at the 1944 Bretton Woods Conference.

31) Who is the newly appointed Prime Minister of Guyana?

- a) Justin Trudeau
- b) Andrew Holness
- c) Mark Phillips
- d) Scott Morrison

Answer: c)

Mark Anthony Phillips is a Guyanese politician and retired military officer who is the Prime Minister of Guyana under president Dr. Irfaan Ali since August 2020.

32) Who is the current Chief Minister of Sikkim?

- a) Pema Khandu
- b) Prem Singh Tamang
- c) Sarbananda Sonowal
- d) Nitish Kumar

Answer: b)

Prem Singh Tamang, is an Indian politician and the current Chief Minister of Sikkim and leader and founder of the Sikkim Krantikari Morcha (SKM).

33) The Indian Council of Agricultural Research (ICAR) is located in_____.

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- a) Mumbai
- b) Hyderabad
- c) New-Delhi
- d) Bhopal

Answer: c)

The Indian Council of Agricultural Research (ICAR) is an autonomous body responsible for co-ordinating agricultural education and research in India. It is located in New-Delhi.

34) Kheda Satyagraha in which Gandhiji was the spiritual head of the struggle took place in which year?

- a) 1918
- b) 1921
- c) 1915
- d) 1911

Answer: a)

Kheda Satyagraha was led by Gandhiji in Gujarat in 1918. In Gujarat, Gandhi was chiefly the spiritual head of the struggle. His chief lieutenant, Sardar Vallabhbhai Patel and a close coterie of devoted Gandhians, namely Narhari Parikh, Mohanlal Pandya and Ravi Shankar Vyas toured the countryside, organised the villagers and gave them political leadership and direction.

35) Who has become the only Indian actor to make it to the list of Forbes' Top 100 Highest-Paid Celebrities?

- a) Sharukh Khan

- b) Salman Khan
- c) Akshay Kumar
- d) Ranveer Singh

Answer: c)

Akshay Kumar has become the only Indian actor to make it to the list of Forbes' Top 100 Highest-Paid Celebrities in the world in 2020. He has secured the 52nd spot.

36) Who is the President of the Asian Development Bank (ADB)?

- a) Masatsugu Asakawa
- b) Jens Stoltenberg
- c) Alexey Sergeev
- d) Kim Jong-yang

Answer: a)

Masatsugu Asakawa is the President of the Asian Development Bank (ADB) and the Chairperson of ADB's Board of Directors. He was elected President by ADB's Board of Governors and assumed office on 17 January 2020.

37) Which among the following is NOT an ore of Iron?

- a) Cu_2O
- b) Fe_2O_3
- c) Fe_3O_4
- d) FeCO_3

Answer: a)

Cuprite is an oxide mineral composed of copper(I) oxide Cu_2O , and is a minor ore of copper.

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38) Which Indian city is known as the 'Golden City'?

- a) Jodhpur
- b) Amritsar
- c) Nagpur
- d) Jaisalmer

Answer: d)

Jaisalmer is called the "Golden City" because the yellow golden sand gives a golden shadow to the city and its neighbouring areas.

39) Who is the first disabled women to climb Mount Everest?

- a) Bachendri Pal
- b) Arunima Sinha
- c) Premlata Agarwal
- d) Poorna Malavath

Answer: b)

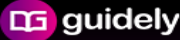
Arunima Sinha is an Indian mountain climber and sportswoman. She is a seven time Indian volleyball player, mountaineer and the World's first female amputee to scale Mount Everest.

40) Which site of Bihar was included by UNESCO in World Heritage list in 2016?

- a) Nalanda Mahavihara
- b) Khajuraho Group of Monuments
- c) Ellora caves
- d) Group of Monuments at Hampi


Answer: a)

The archaeological site of Nalanda Mahavihara (Nalanda University) in Bihar was included in the UNESCO's World Heritage List in 2016.

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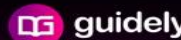
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