

RRB NTPC Exam 25 Jan, 2021 Solution

Que. 1

Find the missing number in the given series?

4, 16, 40, ?

- 1) 87**
- 2) 88**
- 3) 89**
- 4) 90**

Ans. the difference between 4,16 is 12 and in 16 & 40 is 24 which double of 12 similarly, $24 \times 2 = 48$ so, $40+48 = 88$ the correct answer is 88.

Que. 2

Find the missing number in the given series?

3, 11, 27, 59, ?

- 1) 123**
- 2) 121**
- 3) 134**
- 4) 113**

Ans. $(3 \times 2) + 5 = 11$;

$(11 \times 2) + 5 = 27$;

$(27 \times 2) + 5 = 59$

$(59 \times 2) + 5 = 118 + 5 = 123$.

Que. 3

A series is given, with one term missing. Select the correct alternative from the given ones that will complete the series?

ZFK, YGL, XHM, WIN, ?

- 1) UJO**
- 2) UKL**
- 3) VJP**
- 4) VJO**

Ans. Z (26th letter) → Y (25th letter) → X (24th letter) → W (23rd letter) → ?

The letter following W, moving one position backward, is V.

F (6th letter) → G (7th letter) → H (8th letter) → I (9th letter) → ?

The letter following I, moving one position forward, is J.

K (11th letter) → L (12th letter) → M (13th letter) → N (14th letter) → ?

The letter following N, moving one position forward, is O. answer is VJO.

Que. 4

Select the related number from the given alternative?

35 : 75 :: 48 : ?

- 1) 101
- 2) 102
- 3) 103
- 4) 104

Ans. The pattern used here is $35 \times 2 + 5 = 75$ similarly, $48 \times 2 + 5 = 101$

The correct answer is 101.

Que. 5

If $6 \times 5 = 64$, $8 \times 7 = 116$ and $10 \times 7 = 144$ then $11 \times 10 = ?$

- 1) 224
- 2) 242
- 3) 243
- 4) 222

Ans. $6 \times 5 = 64 \Rightarrow 30 \times 2 + 4 = 64$

$8 \times 7 = 116 \Rightarrow 56 \times 2 + 4 = 116$

$10 \times 7 = 144 \Rightarrow 70 \times 2 + 4 = 144$

$11 \times 10 = 110 \times 2 + 4 = 224$

The correct answer is 224.

Que. 6

Select the number that can be placed at the sign of question mark (?) from the given alternative.



- 1) 13
- 2) 14
- 3) 12
- 4) 10

Ans. option 12 is correct

Logic used here is $(8 \times 4) - 5 = 32 - 5 = 27$, $(6 \times 7) - 4 = 42 - 4 = 38$ similarly, $(7 \times 2) - 2 = 14 - 2 = 12$.

Que. 7

If "DRAG" is coded as "36" and "GAP" is coded as "30" then how will "DUCK" be coded as?

- 1) 42
- 2) 39
- 3) 45
- 4) 47

Ans. DRAG $\Rightarrow 4 + 18 + 1 + 7 = 30 + 6 = 36$

GAP $\Rightarrow 7 + 1 + 16 = 24 + 6 = 30$

similarly , DUCK $\Rightarrow 4 + 21 + 3 + 11 = 39 + 6 = 45$

Que. 8

Directions: In the following question below some statements are given followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

Some animals are mouse.

No mouse is brown.

Conclusions:

I. Some animals are brown.

II. No animals are brown.

- 1) Only conclusion I follows
- 2) Either conclusion I or conclusion II follows
- 3) Both Conclusion I and conclusion II follow
- 4) Only conclusion II follow

Ans. Either conclusion I or conclusion II follows

Que. 9

Directions: If '+' represents '-', '-' represents ÷, ÷ represents x and x represents +. What will be the answer to the following equation?

$$5 \div 6 \times 3 + 4 - 2 = ?$$

- 1) 25
- 2) 31
- 3) 47
- 4) 19

Ans. $5 \times 6 + 3 - 4 \div 2 = 31$

The correct answer is 31.

Que. 10

In a certain code language, "BROWN" is written as "RBONW" . How is "BLACK" written in that code language?

- 1) CBALK
- 2) LKABC
- 3) LBAKC
- 4) LABKC

Ans. Pattern Here is BROWN -> 2nd letter,1st letter, 3rd letter,5th letter and 4th letter (RBONW) similarly, BLACK -> 2nd letter,1st letter, 3rd letter,5th letter and 4th letter (LBAKC)

Que. 11

In a certain code language, "some is all" is written as "pu tru mu", "all is no" is written as "pu en mu" and "no is few" is written as "fo mu en". How is "some" written in that code language?

- 1) mu
- 2) en
- 3) pu
- 4) tru

Ans. Correct option is tru

some is all ->pu tru mu, all is no->pu en mu, no is few->fo mu en
is-mu, all-pu,no-en, some-tru.

Que. 12

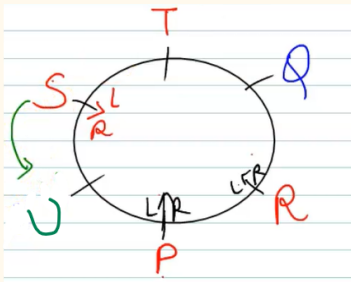
Directions: Study the following information carefully and answer the questions based on it.

Six people P, Q, R, S, T, U are sitting in a circular arrangement. P is sitting opposite to T. Q is neither neighbor of P nor S. S is sitting second to the left of P. R is sitting third to the right of S. All are facing inward.

What is the position of U with respect to S?

- 1) Second to the left
- 2) Next to the right
- 3) Next to the left
- 4) Second to the right

Ans. Next to the right



Que. 13

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

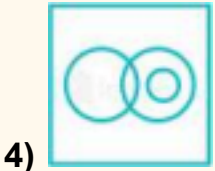
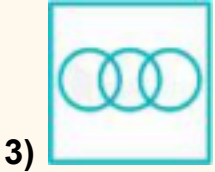
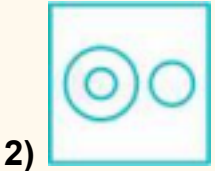
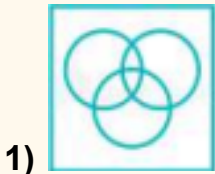
KLN, PQS, UVX, ZAC, ?

- 1) DFG
- 2) EFH
- 3) IHJ
- 4) DFE

Ans. KLN -> 11,12,14, PQS ->16,17,19, UVX -> 21,22,24, ZAC-> 26,1,3 By using this pattern we can find the next series EFH.

Que. 14

Select the Venn diagram that best illustrates the relationship between the following classes. Cow, Tiger and Carnivores



Ans.



Tiger is carnivores but cows are not carnivores.

Que. 15

Find the missing number from the options given below.

15	21	36
18	9	27
26	17	?

- 1) 9
- 2) 63
- 3) 43
- 4) 52

Ans. 43

Que. 16

Direction: In the given question a statement is followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement: Use "Magic Art" colors. They add colors to your life. - An advertisement.

Conclusion:

- I. Eye-catching slogans do not attract people.**
 - II. People like dark colors.**
- 1) Only Conclusion I follows**
 - 2) Only Conclusion II follows**
 - 3) Both Conclusions follow**
 - 4) Neither Conclusion I nor Conclusion II follows**

Ans. Neither Conclusion I nor Conclusion II follows

By given Statement we can not determine the conclusions.

Que. 17

In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

- I. Some pens are pencils.**
- II. Some pencils are cups.**

Conclusions:

- I. Some cups are pens.**
 - II. Some pencils are pens.**
- 1) Only conclusion (I) follows.**
 - 2) Only conclusion (II) follows.**
 - 3) Both conclusions follow.**
 - 4) Neither conclusion (I) nor conclusion (II) follows.**

Ans. Only conclusion (II) follows.

By the given statements we can conclude that some pencils are pens but can not conclude that some cups are pens.

Ques 18.

Directions: In the question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follow beyond a reasonable doubt from the information given in the statement. Give an answer.

Statements: With the increase in the usage of petroleum based products, it is feared that petrol will soon become a rare commodity.

Conclusions: I. The price of petroleum based products will increase.
II. Petroleum products should be used efficiently.

- 1) Only Conclusion I follows
- 2) Only Conclusion II follows
- 3) Both the Conclusions I and II follow
- 4) Neither Conclusion I nor II follows

Ans. Both the Conclusions I and II follow

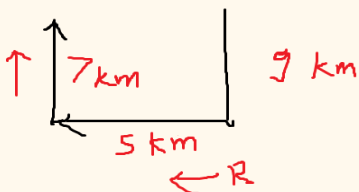
By given Statement we can say that both conclusions are true.

Que. 19

A man starts from a point and walks 9 km in the South direction. He first turns right turn and walk 5 km and then turn again turn right and walk 7 km. In Which direction is he facing now?

- 1) East
- 2) North
- 3) South
- 4) West

Ans. North



Que. 20

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

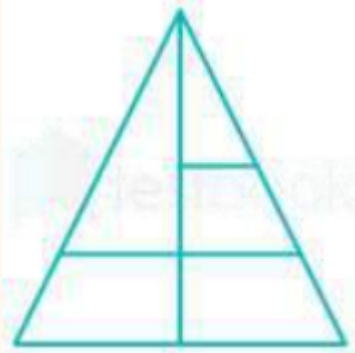


Ans.



Que. 21

How many triangles are there in the given figure?



- 1) 5
- 2) 6
- 3) 7
- 4) 8

Ans. 7 triangles are there in the given figure.

Que. 22

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

Drama : Stage :: Tennis : ?

- 1) Net
- 2) Theatre
- 3) Court
- 4) Match

Ans. Drama is performed on Stage similarly tennis is played on Court .

The correct option is Court.

Que. 23

In the following question, select the odd number pair from the given alternatives.

- 1) 10,1000
- 2) 5,125
- 3) 7,289
- 4) 6,216

Ans. 1000 is 10^3 , 125 is 5^3 , 216 is 6^3 but 289 is 7^2 so the odd one is option 3) 7,289.

Que. 24

In the following question, select the odd word from the given alternatives.

- 1) September
- 2) June
- 3) April
- 4) May

Ans. May is the month of 31 days, others are months of 30 days.

Hence, May is odd among all.

Que. 25

In the following question, select the odd word from the given alternatives.

- 1) Veena
- 2) Tabla
- 3) Sitar
- 4) Guitar

Ans. Except Tabla ,all others are musical instruments of wires.

Hence Tabla is odd among all.

Que. 26

Which two numbers and two signs can be interchanged so as to balance the given equation ? $16 \times 4 + 12 \div 4 - 15 = 59$

- 1) 4 and 12; \times and \div
- 2) 16 and 12; + and -
- 3) 15 and 16; \times and +
- 4) 12 and 15; \div and -

Ans. Option 2) 16 and 12; + and -

$$16 * 4 + 12/4 - 15 = 59$$

16 and 12; + and -

$$12 * 4 - 16/4 + 15$$

$$12 * 4 - 4 + 15$$

$$48 * 4 + 15$$

$$63-4$$

$$59=59$$

Que. 27

Directions: Study the following information carefully and answer the question based on it.

Five friends are standing in a straight line. Sonam is near to Rahul and Mona is near Bilal. Karthik is at the left end of the line. Mona is second from the right. Sonam and Mona are adjacent to each other.

Who is sitting in the middle?

- 1) Sonam
- 2) Mona
- 3) Bilal
- 4) Rahul

Ans.



Clearly, Sonam sits in the middle of the line.

Que. 28

Select the letter that can replace the question mark (?) in the following series?

M, P, O, R, Q, T, S, ?

- 1) R
- 2) T
- 3) V
- 4) U

Ans. M to P: +3, P to O: -1 , O to R: +3 , R to Q: -1 , Q to T: +3 , T to S: -1

By using this pattern the letter that replaces the question mark is V.

Que. 29

Direction: Read the following information carefully to answer these questions.

A \$ B means A is mother of B, **A # B** means A is father of B, **A @ B** means A is husband of B, **A % B** means A is daughter of B.

If G \$ M @ K, how is K related to G?

- 1) Daughter-in-law
- 2) Mother-in-law
- 3) Daughter
- 4) Aunt

Ans. K is Daughter-in-law of G.

Que. 30

From the given alternatives, select the best answer which has the same relationship as in the 1st pair. Mosquito : Insect :: Frog : ?

- 1) Amphibian
- 2) Reptile
- 3) Mammal
- 4) Avian

Ans. Mosquito : Insect

Frog : Amphibian