

Logical Reasoning Questions-

- 1) - If today is Thursday, what day will it be on the 731st day from now?
 - a) Monday
 - b) Friday
 - c) **Saturday**
 - d) Sunday

- 2) - What is the angle between the hands of the clock when the time has shown is 5:30 p.m.?
 - a) 0°
 - b) 5°
 - c) 15°
 - d) **30°**

- 3) - A monkey starts climbing up a tree 20 ft. high. Each hour, it hops 3ft. and slips back 2 ft. back. How much time will the monkey take to reach the top?
 - a) 21hrs
 - b) 12hrs
 - c) **15hrs**
 - d) 18hrs

- 4) - If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?
 - a) 5279431
 - b) 5978213
 - c) **8251896**
 - d) 8543691

- 5) - Ram was walking on the road early morning after sunrise, his shadow was exactly left to him . Which direction was he facing ?
 - a) East
 - b) **North**
 - c) South
 - d) West

- 6) - After walking 6 kms , I turned right and travelled a distance of 2kms, then turned left and covered a distance of 10 kms . In the end I was moving towards the north . Which direction was I facing when I started my journey ?
 - a) **North**
 - b) South
 - c) Southwest
 - d) Northeast

- 7) - George saves 22% of his salary. He saves Rs. 1540. Then the salary of George is :
- a) 9500 rs
 - b) 17000 rs
 - c) 7000 rs
 - d) 7500 rs
- 8) - If $2*4=36$, $5*5=100$, $7*1=64$ then what is $5*4$
- a) 20
 - b) 81
 - c) 40
 - d) 49
- 9) - If A is the husband of B and C is the mother of D and B, then what is C to A?
- a) Mother
 - b) Sister
 - c) Aunt
 - d) Mother in Law
- 10) - Which is odd?
- a) White-Black
 - b) Leader-Follower
 - c) Hero - Villian
 - d) Judge-judgment
- 11) - Given a series: 1, 3, 6, 10, 15, ... Which term will come after 15?
- a) 20
 - b) 19
 - c) 21
 - d) 22
- 12) - If three cats catch three mice in three seconds then twenty cats catch twenty mice in how many seconds?
- a) 60
 - b) 20
 - c) 10
 - d) 3
- 13) - If '+' means '÷', '÷' means '×', '×' means '-' and '-' means '+', then $24 + 6 \times 2 \div 3 - 4 = ?$
- a) 6
 - b) 4
 - c) 2
 - d) 7

- 14) - Look at the series, 46, 44, 40, 38, 34, __, which number should come next?
- a) 32
 - b) 36
 - c) 30
 - d) 31
- 15) - RQP, ONM, __, IHG, FED, find the missing letters.
- a) CDE
 - b) LKI
 - c) LKJ
 - d) BAC
- 16) - I. School A has more admissions than School B.
II. School C has fewer admissions than School B.
III. School A has fewer admissions than School C.
If the first two statements are true, the third statement is
- a) FALSE
 - b) TRUE
 - c) UNCERTAIN
 - d) MORE INFORMATION REQUIRED
- 17) - Which word does not belong to others?
- a) Violin
 - b) Guitar
 - c) Mandolin
 - d) Flute
- 18) - If you rearrange the letters of "rianpah", you would have the name of
- a) Fish
 - b) Planet
 - c) River
 - d) Country
- 19) - What is the value of 'a'? $64 - 12 \times 2 + 6 \div 2 = a$
- a) 37
 - b) 16
 - c) 43
 - d) 4
- 20) - What is the minimum number of times you need to lift your pencil off the paper to draw the figure
- a) Once
 - b) Twice
 - c) Zero
 - d) Four Times

21) - Line : 1 :: Square : 2 :: _____ : 3

- a) Cuboid
- b) **Cube**
- c) Sphere
- d) Dot

22) - In a new language the following sentences are written as follows:

'Is it Tuesday?' -> $\beta \pi \Omega ?$

'This exam is easy' -> $\mu \neq \beta \in$

'Playing can be fun' -> $\infty \phi \varphi \lambda$

Then what does ' $\mu \beta \lambda$ ' mean?

- a) **This is fun**
- b) Playing is easy
- c) Exam is on Tuesday
- d) Exam is fun

23) - If in a new numbering system 1 comes after 2, 4 comes after 5, and 12496 comes after 12497. What comes after the number which comes after 43888?

- a) 43888
- b) 43887
- c) **43886**
- d) 43889

24) - If your friend is running towards you while you are sitting means that

- a) **The distance between you and your friend is decreasing**
- b) We can't say anything
- c) Your friend is moving away from you
- d) None of the above

25) - Rajan got married 8 years ago . His present age is $\frac{6}{5}$ times his age at the time of his marriage. Rajan's sister was 10 years younger to him at the time of his marriage . The age of Rajan's sister is

- a) 32 years
- b) 36 years
- c) **38 years**
- d) 40 years

26) - Select the odd one out

- a) 253
- b) 136
- c) 352
- d) **440**

27) - How many words with or without meaning can be formed by using all the letters of the word , 'DELHI',using each letter exactly once?

- a) 10
- b) 25
- c) 60
- d) 120

28) - In the following letter series, some of the letters are missing which are given in that order as one of the alternative below it. Choose the correct alternative.

a _ _ bbc _ _ aab _ _ cca _ _ bbcc

- a) bacb
- b) acba
- c) abba
- d) caba

29) - In a chess tournament each of six players will play every other player exactly once. How many matches will be played during the tournament?

- a) 36
- b) 30
- c) 15
- d) 12

30) - Find the missing character in the following question

5 3 16
9 5 46
7 8 ?

- a) 16
- b) 56
- c) 55
- d) 57

31) - In a row of girls, Shilpa is eighth from the left and Reena is seventeenth from the right. If they interchange their positions, Shilpa becomes fourteenth from the left. How many girls are there in the row

- a) 25
- b) 26
- c) 30
- d) 28

32) - In the following question, one term is wrong. Find out the wrong term.

225, 196, 169, 144, 121, 80

- a) 80
- b) 121
- c) 169
- d) 196

33) - Carefully analyze the sequence Z, X, V, T, R, ...?..., ...?.... Complete it.

- a) O,K
- b) O,L

c) P,N

d) M,N

34) - If in a certain code SAND is VDQG and BIRD is ELUG, then what is the code for LOVE?

a) PRYG

b) ORTG

c) NPUH

d) ORYH

35) - Statement 1: Blueberries cost more than strawberries.

Statement 2: Blueberries cost less than raspberries.

Statement 3: Raspberries cost more than both strawberries and blueberries.

If the first two statements are true, the third statement is

a) True

b) False

c) Uncertain

d) Wrong Statements

36) - In the series given below, count the number of 9's, each of which is not immediately preceded by 5 but is immediately followed by either 2 or 3. How many such 9's are there?

1 9 2 6 5 9 3 8 3 9 3 2 5 9 2 9 3 4 8 2 6 9 8

a) One

b) Four

c) Five

d) Six

37) - If a means 'plus', b means 'minus', c means 'multiplied by' and d means 'divided by' then,

$16 \text{ c } 12 \text{ b } 6 \text{ d } 2 \text{ a } 17 = ?$

a) 65

b) 55

c) 216

d) 206

38) - What is the minimum number you would add to the number 73841 so that the sum can be divisible by 9?

a) 1

b) 4

c) 7

d) 13

39) - WST : RNO :: _____ : DFA - Fill in the blank-

a) FKI

b) XPK

c) IKF

d) P XK

40) - Shewag is taller than Kohli but shorter than Harvajan. Harvajan is shorter than Yuvraj. Kohli is not taller than Yuvraj. Who is the shortest?

a) Shewag

b) Kohli

c) Harvajan

- d) Yuvraj
- 41) - Usha introduces another woman as the daughter of the sister of her mother. How is the woman man related to Usha?
- a) Nephew
 - b) Son
 - c) **Cousin**
 - d) Uncle
- 42) - One evening before sunset, Salman and Shah Rukh were looking to each other face to face. If Shah Rukh's shadow falls exactly to the right of Salman, in which direction was Shah Rukh facing?
- a) North
 - b) **South**
 - c) West
 - d) East
- 43) - If 'sky' is called 'star', 'star' is called 'cloud', 'cloud' is called 'earth', 'earth' is called 'tree' and 'tree' is called 'book', then where do we live on?
- a) Book
 - b) Sky
 - c) Star
 - d) **Tree**
- 44) - A frog in a well jumps 3 feet up then slides down 1 foot due to the slime inside the well. The open end of the well is 10 feet above the frog. After how many jumps will it be able to come out of the well?
- a) 4
 - b) **5**
 - c) 3
 - d) 6
- 45) - GERM:DISEASE::....?
- a) Man: Women
 - b) Doctor: Medicine
 - c) War: destruction
 - d) Shopkeeper: goods
- 46) - Complete the series DFK, FEL, HDM, JCN,?
- a) KAO
 - b) **LBO**
 - c) LDO
 - d) LAO
- 47) - Find the middle term as per dictionary order
- a) Cruise
 - b) Crupper
 - c) Crusade
 - d) **Crude**
- 48) - In a certain code, FAVOUR is written as EBUPTS. How is DANGER written in the code?
- a) CBFFDS
 - b) **CBMHDS**
 - c) EBFHDS

- d) EBFFHS
- 49) - If "when" means $\times$, "you" means $\div$, "come" means $-$, and "will" means $+$, then what will be the value of "8 when 12 will 16 you 2 come 10" .. ?
- a) 45
 - b) 94
 - c) 96
 - d) 112
- 50) - Pointing towards Preeti, Arun said, "I am the only son of her mother's son". How is Preeti related to Arun?
- a) Cousin
 - b) Mother
 - c) Son
 - d) Aunt
- 51) - Complete the series – 3, 12, 27, 48, 75, 108, _____
- a) 149
 - b) 147
 - c) 181
 - d) 183
- 52) - Four friends are standing in a line. Ajay stands next to Vinay. Vinay doesn't stand next to Amit. Rishabh is farthest away from Amit. Now if Surya joins the line and stands next to Rishabh, who is in the middle of the line?
- a) Amit
 - b) Ajay
 - c) Vinay
 - d) Rishabh
- 53) - Fossils:Paleontology in the same way Insects:_____?
- a) Entomology
 - b) Archaeology
 - c) Ornithology
 - d) Seismology

English Paper -

- 1) - Mike is looking very happy today- Sarah.....to go out with him.
- a) Must have agreed
 - b) Should agree
 - c) Would have agreed
 - d) Had better agree

- 2) -the president began to speak; protestors began chanting anti-war slogans.
a) Already
b) Even
c) No longer
d) **The moment**
- 3) - Since an earthquake.....at any time, it is always best to be prepared.
a) will have occurred
b) has occurred
c) must have occurred
d) **might occur**
- 4) - Not.....as a finalist in the spelling competition caused young Scott.....from depression for months afterward.
a) to choose/ suffering
b) **being chosen/ to suffer**
c) to have chosen/ to be suffered
d) choosing/ to have suffered
- 5) - wandering aimlessly, Peter found.....in the kind of neighborhood that his mother had warned..... not to go into.
a) his own/ her
b) him/ himself
c) **himself/ him**
d) he/ his
- 6) - I looked at it and found that including the wine, the bill _____ \$80.
a) **arrived at**
b) arrived in
c) came to
d) came at
- 7) - During our stay in London, we paid a visit to the hospital founded _____ the nurse, Florence Nightingale.
a) in favor of
b) in case of
c) **in honor of**
d) in place of
- 8) - Eating too much fat can _____ heart diseases and cause high blood pressure.
a) attend to
b) devote to
c) **contribute to**
d) dedicate to
- 9) - The two men were _____ of receiving stolen property, which made their parents worried.

- a) Arrested
- b) Blamed
- c) Suspected
- d) doubted

10) - Not only _____, but also most of their boring or difficult work is unnoticed.

- a) mothers are not paid
- b) are mothers paid
- c) mothers are paid
- d) are mothers not paid

11) - Ram did not _____ for the party.

- a) go
- b) gone
- c) went
- d) Both (A) and (B)

12) - _____ their fault, they have to accept it.

- a) It is
- b) Its
- c) It's
- d) Both (A) and (C)

13) - Odd one out

- a) Dirty
- b) Squalor
- c) Filth
- d) Cleanliness

14) - As Queen is associated with King, what is associated with Duke?

- a) Dukes
- b) Duchess
- c) Duckling
- d) Prince

15) - What is the opposite of exult ?

- a) Happiness
- b) Sorrow
- c) Both (A) and (B)
- d) None of the above

16) - What is the meaning of laudatory?

- a) Expressing or praising
- b) Insulting
- c) Plumbing
- d) Hand washing

- 17) - What is the meaning of loquacious?
- a) Reticent
 - b) Sweet
 - c) **Garrulous**
 - d) Introvert
- 18) - What is the meaning of flout?
- a) Flunk
 - b) **Violate**
 - c) Make weird faces
 - d) Drown
- 19) - What is the meaning of fortify?
- a) Efficient
 - b) Befriend
 - c) **Strengthen**
 - d) Make a fort
- 20) - What is the meaning of pernicious?
- a) **Evil**
 - b) Fluent
 - c) Favorable
 - d) Perjury
- 21) - In this age of super specialization, industrial engineers are in demand because they are the only ones who can see the big picture. (Select the meaning of the underlined phrases/idioms.)
- a) a realistic view of something
 - b) an accurate view of something
 - c) a narrow view of something
 - d) **a complete view of something**
- 22) - She gave me a cold shoulder when I went to see her. (Select the meaning of the underlined phrases/idioms.)
- a) scolded me
 - b) **ignored me**
 - c) insulted me
 - d) abused me

- 1) Who was the first woman to win a Nobel Prize (1903)?
 - a) Marie Curie
 - b) Jane Adams
 - c) Jody Williams
 - d) Grazia Deledda
- 2) Which country produces the most coffee in the world?
 - a) Colombia
 - b) Indonesia
 - c) Vietnam
 - d) Brazil
- 3) How many dwarfs have names ending in letter Y(In Snow White And Seven Dwarfs)?
 - a) 4
 - b) 5
 - c) 6
 - d) 7
- 4) Who was the Second Nobel prize winner in India?
 - a) Har Gobind Khorana
 - b) Kailash Satyarthi
 - c) C.V. Raman
 - d) Rabindranath Tagore
- 5) What is India's literacy rate ?
 - a) 74.04%
 - b) 83.91%
 - c) 93.92%
 - d) 63.82%
- 6) Which state of India is known as Egg Basket?
 - a) Andhra Pradesh
 - b) Arunachal Pradesh
 - c) Assam
 - d) Uttar Pradesh
- 7) What is the calculation of the clock speed of the computer?
 - a) Gigabyte
 - b) Bit
 - c) MHz
 - d) Gigabit
- 8) Which of the following countries does NOT have direct access to the sea/ocean?
 - a) Syria
 - b) Jordan
 - c) Azerbaijan
 - d) Armenia
- 9) A common high court for two or more states can be established by
 - a) An amendment to the constitution of India
 - b) An order of the president
 - c) An order of the supreme court of India
 - d) A law passed by the parliament
- 10) A genetic disorder that reduces blood flow of human body?
 - a) Hypertension
 - b) Anaemia

- c) Haemophilia
 - d) Kidney cancer
- 11) Who among the following is the only person to have served as an Acting President and the President of India?
- a) Varahagiri Venkata Giri
 - b) Fakhruddin Ali Ahmed
 - c) Bassappa Dannappa Jatti
 - d) Neelam Sanjiva Reddy
- 12) The meaning of the name of this automobile manufacturer in the country of its origin means people's carriage. Which company is this?
- a) Hyundai
 - b) Peugeot
 - c) Toyota
 - d) Volkswagen
- 13) Article 370 of Indian Constitution is/was related to:
- a) Mandi affairs of Indian farmers
 - b) The special status of Jammu and Kashmir among other States
 - c) Contempt of court
 - d) CA/NRC
- 14) Tenali Ramakrishnayya was the advisor of which Indian Ruler ?
- a) Vira Narasimha
 - b) Tuluva Narasa Nayaka
 - c) Achyuta Deva Raya
 - d) Krishnadevaraya
- 15) When was YouTube founded?
- a) 2003
 - b) 2004
 - c) 2005
 - d) 2006
- 16) Which is the newest country in the world?
- a) Palau
 - b) East Timor
 - c) Kosova
 - d) South Sudan
- 17) Which of the following companies does not have an Indian CEO?
- a) Microsoft
 - b) IBM
 - c) Google
 - d) Wipro
- 18) According to the official map of India shares a land border with how many countries?
- a) 7
 - b) 6
 - c) 5
 - d) 8
- 19) Which of the following diseases are related to coronavirus?
- a) SARS

- b) MERS
 - c) both a and b
 - d) neither a nor b
- 20) Which sport among the following is the national sport of Afghanistan?
- a) Cricket
 - b) Hockey
 - c) Archery
 - d) Buzkashi
- 21) What is the majority religion following in the Philippines ?
- a) Buddhism
 - b) Christianity
 - c) Hinduism
 - d) Islam
- 22) Which of the following countries is not part of the European Union?
- a) France
 - b) Poland
 - c) Romania
 - d) Vatican city
- 23) Which of the following are not domestic pharmaceutical companies that are working on a vaccine for COVID-19?
- a) Pfizer
 - b) Serum Institute
 - c) Zydus Cadila
 - d) Bharat Biotech
- 24) Boeing : USA :: Airbus : _____
- a) India
 - b) China
 - c) Europe
 - d) Africa
- 25) A mess of Iguanas: A ____ of elks.
- a) Gang
 - b) Group
 - c) Mess
 - d) Herd
- 26) Who was the first woman Lok Sabha speaker?
- a) Sucheta Kirpalani
 - b) Sarojini Naidu
 - c) Meera kumar
 - d) Sumitra Mahajan

Math - Science

1) The astronaut who landed or stepped down first on the surface of the moon:

- a) Neil Armstrong
- b) Uri Gagarin
- c) Daniel Pearl
- d) Buzz Aldrin

2) What should be added to $-\frac{7}{3}$ to get $\frac{3}{7}$

- a) $\frac{21}{58}$
- b) $\frac{58}{21}$
- c) $\frac{47}{21}$
- d) $\frac{50}{21}$

3) The solution for $3m = 5m - \frac{8}{5}$ is

- a) $\frac{8}{5}$
- b) $\frac{4}{5}$
- c) $\frac{5}{4}$
- d) $\frac{4}{3}$

4) The 'Concept of Inertia' was developed by:

- a) Galileo
- b) Issac Newton
- c) Albert Einstein
- d) Aristotle

5) The total number of three-digit numbers divisible by 6 is:

- a) 149
- b) 150

- c)151
- d)152

6) Reading a barometer going down is an indication of:

- a)Snow
- b)Storm
- c)Intense Heat
- d)Rainfall

7) Which is/are the important material(s) required in the cement industry:

- a)Gypsum
- b)Clay
- c)Limestone
- d)Both B and C

8) Which of the following is not the form of pollution

- a)Air
- b)Water
- c)Soil
- d)Deforestation

9) Two blocks, one of 2kg and one of 1 kg placed on a smooth surface. Which among the following statement is correct

- a)1kg block require greater force to move
- b)2 kg block require greater force to move
- c)Both require same force
- d)None of these

10) Which among the following is acidic in nature

- a)Sodium
- b)Sulphur dioxide
- c)Beryllium
- d)Aluminium

11) Which is not the constituent of blood

- a)RBC
- b)WBC
- c)Uranium
- d)Platelets

12) Plants synthesize food through

- a)Photosynthesis
- b)Osmosis
- c)Diffusion
- d)Tonicity

13) Dinesh has drawn a rangoli which contains 10 dots in a row. If rangoli contains 'r' rows then the total number of dots are

- a) $10+r$
- b) $10r$
- c) $10-r$
- d) r

14) The longest chord of a circle is

- a) diameter
- b) secant
- c) radius
- d) chord

15) The perimeter of a circle is 132m. Find its area

- a) 1936m^2
- b) 924m^2
- c) 1617m^2
- d) 1386m^2

16) $(187654)^0$

- a) 1
- b) 0
- c) 187654
- d) Infinite

17) " In an examination, Nobita was asked to find $\frac{2}{35}$ th of a number, but he accidentally calculated the $\frac{2}{5}$ th of it.

The answer came out to be 24 more than the original asked value. What is the number?"

- a) 70
- b) 105
- c) 35
- d) 140

18) Scooby and Shaggy are very dear friends. They like playing the guitar. What kind of motion strings perform while the guitar is played.

- a) Vibratory
- b) Rotatory
- c) Translatory
- d) Rotatory and Translatory

19) Going down the sea deep diver experiences

- a) Pressure increase
- b) Oxygen level increase
- c) Zero Gravity
- d) Vacuum

20) Which of the following is known as ascorbic acid?

- a) Vitamin A
- b) Vitamin B12

- c)Vitamin C
- d)Vitamin B6

21) A girl should throw a ball at what angle to make it reach the farthest point possible (in degrees)

- a)0
- b)45
- c)90
- d)30

22) If $x+y=11$ and $xy=24$, then $x-y=$

- a)5
- b)3
- c)1
- d)4

23) The weakest acid among the following is

- a)Hydrofluoric acid
- b)Hydrochloric acid
- c)Sulphuric acid
- d)Nitric acid

24) What will happen to the speed of a bus when 3 out of 5 passengers leave it?

- a)Increases
- b)Decreases
- c)Remains the same
- d)Data insufficient

25) FeO is

- a)Iron oxide
- b)Ferrous oxide
- c)Ferric oxide
- d)Iron oxygen

26) A group of friends went to a restaurant and had the same meal. The total bill came to Rs 119. How many friends were there?

- a)6
- b)7
- c)8
- d)9

27) What is the chemical name of Nitric Acid?

- a)HNO₃
- b)H₂SO₄
- c)HNO₂
- b)HCl

28) Which of the following type of soil will form a colloidal solution when suspended in water?

- a)Clay
- b)Gravel
- c)Sand
- d)Silt

29) Which of the following is an example of an herb?

- a)Rose
- b)Banana tree
- c)Bougainvillea
- d)Banyan tree

30) If I am 36 years old, I have gone around the sun _____ times.

- a)18
- b)36
- c)24
- d)Never gone around the sun

31) If Saturn is thrown into the ocean, it will _____

- a)Soak all the water
- b)Sink
- c)Float
- d)Dissolve in it

32) In a family, there are 6 males and 9 females, so the ratio of females to males is :

- a)6:9
- b)3:2
- c)2:3
- d)2:9

33) Solve : $[20+((-1)^6 + (-2)^2 - (-7))]$

- a)36
- b)35
- c)24
- d)32

34) $A+B = B+A$ is called

- a)Commutative law of addition
- b)Associative law of addition
- c)Distributive law of addition
- d)None of the above

35) A school is organizing an examination where the no. of female participants is 200 and male participants are 300. If 20 male and 60 female students fail to give the exam, then the ratio of male to female students is :

- a)7:4
- b)1:2

c)2:1

d)14:28

36) The cost of traveling by train is Rs.800 per km and by car is Rs. 250 per km. If Rahul travels 70km by train and 50km by car to reach his friend's house, what is the total fare of the journey?

a)Rs.68500

b)Rs.78500

c)Rs.69600

d)Rs.79500

37) Rahul wants to find the mean(average) of 5 numbers, he misreads 23 as 13 and the wrong average came out to be 16. What must be the correct average?

a)16

b)18

c)14

d)none of the above

38) Friction can be reduced by using

a)oil

b)grease

c)powder

d)all of these

39) Which one of the following gases is used in fire extinguishers?

a)CO₂

b)SO₂

c)NO₂

d)H₂S

40) "Breathing is a process that

(i) provides O₂ to the body.

(ii) breaks down food to release energy.

(iii) helps the body to get rid of CO₂

(iv) produces water in the cells.

Which of the following gives the correct combination of functions of breathing?"

a)(i) and (ii)

b)(ii) and (iii)

c)(i) and (iii)

d)(ii) and (iv)

41) The area of a rhombus whose diagonals are of lengths 10 cm and 8.2 cm is:

a)41 cm²

b)410 cm²

c)82 cm²

d)164 cm²

