

General knowledge / Awareness

- Which country is the chair of the Global Partnership on Artificial Intelligence (GPAI) in 2022?
(a) Sri Lanka (b) Bangladesh
(c) India (d) UK
- PNS Taimur, which was delivered by China to Pakistan, is a _?
(a) Corvette
(b) Frigate
(c) Destroyer
(d) Aircraft carrier
- Which state government has decided to introduce a 'No-bag day' rule in schools in September 2022?
(a) Karnataka (b) Bihar
(c) Goa (d) Gujarat
- Which of the following was/were the reasons for the commissioning of chronicles by the Mughals?
1. To convey to those who resisted the rule of Mughals that all resistance was destined to fail.
2. To glorify the Mughal rulers
3. To ensure that there was an account of their rule for posterity
3. To project an enlightened vision of the kingdom.
Select the correct answer using the code given below:
(a) 1, 2 and 3 only
(b) 2, 3 and 4 only
(c) 1, 3 and 4 only
(d) 1, 2, 3 and 4
- Who established the Atomic Energy Commission (AEC) of India in 1948?
(a) P.K. Iyengar
(b) M.R. Srinivasan
(c) Vikram Sarabhai
(d) Homi Bhabha
- Who is the author of the book titled "Forks in the Road: My Days at RBI and Beyond?"
(a) C Rangarajan
(b) Ranjit B Rai
(c) Vikram Sampath
(d) Pavan C. Lall
- Who has been honoured with the prestigious Dadasaheb Phalke Lifetime Achievement Award for the year 2023?
(a) Amitabh Bachchan
(b) Rajinikanth

- (c) Waheeda Rehman
(d) Dilip Kumar

- What is the capital of Mizoram?
(a) Jaipur (b) Gangtok
(c) Aizawl (d) Khawajvel
- Which of the following national competition of Indian football was started in 1945?
(a) Durand Cup
(b) DCM Cup
(c) Scissors Cup
(d) Santosh Trophy
- KUSUM scheme is related to:
(a) Solar pumps
(b) Woman empowerment
(c) Woman security fund
(d) Bus service for women

General Intelligence/ Reasoning

- Direction: Study the following arrangement and answer the question.
B > 5 S & 4 V 6 F # 8 2 M @ T | 1 > Q 3 ! R 7 Z
In the given arrangement, how many odd numbers are there between '5' and 'R'?
(a) None (b) Three
(c) One (d) Two
- If '×' means '+', '+' means '×', '-' means '÷' and '÷' means '-', then which of the following equation is correct?
(a) $12 - 3 \times 4 = 12$
(b) $44 + 4 - 2 = 88$
(c) $49 \times 7 - 14 = \frac{98}{2}$
(d) $5 + 2 - 4 = \frac{13}{2}$
- Direction : In the question below are given few statements followed by a few conclusion. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.
Statements:
All fruits are lions.
All lions are foxes.
Some foxes are elephants.
Conclusions:

I. All fruits are foxes.

II. Some fruits are elephants.

- (a) Either Conclusion I or II follows
(b) Neither Conclusion I nor II follows
(c) Only Conclusion II follows
(d) Only Conclusion I follows
- Direction: These questions are based on the following information. P's mother is the sister of R who is Q's daughter. R's brother-in-law has only one son whose grandparents are Q and S, and they have only two daughters. A's husband B is Q's son-in-law. Who is B's mother-in-law?
(a) P
(b) Q
(c) S
(d) Cannot be determined
 - Direction: In the question below is given a statement followed by two conclusions numbered I and II. You have to decide which of the given conclusions logically follows from the statement assuming the given statement to be true.
Statement: In school, students learn because they are able to understand what they are taught.
Conclusions:
I. The learning of students in school depends on their ability to learn.
II. What students learn in school depends on how they are taught.
(a) Only I follows
(b) Only II follows
(c) Both I and II follow
(d) Neither I nor II follow
 - Direction: In the following question assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.
Statement:
 $N > R \leq C$; $S > R$; $B \geq C$
Conclusion:
I. $S > N$
II. $C \geq S$
(a) Only conclusion I is true
(b) Either conclusion I or II is true
(c) Only conclusion II is true
(d) Neither conclusion I nor II is true
 - Direction: Study the following information carefully and answer the given questions.
Input: Sums 98 76 Own Act 118 Mode 88 Card 112

Step I: 76 Act 88 Card 98 Mode 112
Own 118 Sums

Step II: 38 Bct 44 Dard 49 Node 56
Pwn 59 Tums

Step III: 24 Bdt 16 Dbrd 36 Npde 30
Pxn 45 Tvms

Step IV: 6 Bdu 7 Dbsd 9 Npee 3 Pxo 9
Tvns

Step V: 36 Bdu 49 Dbse 81 Npef 9 Pxo
81 Tvnt

Step V is the last step.

As per rules followed in the given steps, find an appropriate step for given Input.

Input: Maps 114 Code 92 126 Yawn
Ice 78 Sip 106

Which is the Penultimate step?

- (a) 27 Dpde 24 Jde 15 Nbbs 35 Tjp
18 Zbwn
(b) 78 Code 92 Ice 106 Maps 114 Sip
126 Yawn
(c) 9 Dpee 6 Jdf 6 Nbqs 8 Tjq 9 Zbxn
(d) 81 Dpef 36 Jdf 36 Nbqt 64 Tjq 81
Zbxo

18. In a certain code language, 'TYR' is coded as '65', and 'GAP' is coded as '26'. How will 'MOJ' be coded in that language?

- (a) 40 (b) 41
(c) 38 (d) 39

19. **Direction:** The question below consists of a few statements. You have to decide whether the data provided in the statements are sufficient to answer the question. Read statements and give your answer.

In a row of five theatres PVR, Carnival, INOX, Noor and Shamiyana which one is in the middle?

Statements:

I. Noor is to the immediate left of Shamiyana and Carnival is to the immediate right of Shamiyana.

II. Carnival is at the extreme right of the row.

- (a) The data in statement I alone are sufficient to answer the question, while the data in statement II are not sufficient to answer the question.
(b) The data in statement II alone are sufficient to answer the question, while the data in statement I are not sufficient to answer the question.
(c) The data in statement I alone or data in statement II are sufficient to answer the question.
(d) The data in both statements I and II together are necessary to answer the question.

20. P, Q, R, S and T are standing in a line.

P is taller than S but shorter than Q. T is shorter than S but taller than R. Who is the second tallest of them all?

- (a) T (b) S
(c) R (d) P

21. Sushil walked 15 meters towards South, took a left turn and walked 20 meters again he took a left turn and walked 15 meters. How far and in which direction is he from the starting point?

- (a) 20 meters, West
(b) 20 meters, East
(c) 50 meters, West
(d) 50 meters, East

22. **Direction:** In the question given below, a statement is given followed by assumptions. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: People who play video games are more dexterous than those who don't play such games.

Assumptions:

I. Dexterity develops from playing video games.

II. Pianists are often known to play video games.

- (a) Only assumption I is implicit
(b) Only assumption II is implicit
(c) Either assumption I or II is implicit
(d) Neither assumption I nor II is implicit

Ques (23-24): **Direction:** Study the following information carefully to answer the given questions.

Eight persons namely K, M, T, P, S, X, Z, and B are sitting around a circular table facing towards the centre not necessarily in same order. P is not a neighbour of X and B. Two persons sit between B and S. M is not a neighbour of B. X sits to the immediate left of S. T sits opposite to B. Number of persons who are sitting between T and X is same as number of persons between K and M.

23. What is the position of Z with respect to S?

- (a) Second to the right
(b) Second to the left
(c) Third to the left
(d) Third to the right

24. Who sits third to the left of X?

- (a) M (b) P
(c) B (d) K

25. The next term in the series 154, 170, 202, 266, 394, ___ is:

- (a) 650 (b) 476
(c) 436 (d) 586

General aptitude/ Numerical aptitude

26. **Direction:** The following table shows the number of vacancies of sub-inspector in different states. Study the table carefully and answer the following question.

Year	Haryana	Uttarakhand	Uttar Pradesh	Bihar	Himachal
2018	3500	1200	6000	2500	1800
2019	3000	1500	4500	3000	2200
2020	3200	1800	5000	3200	3000
2021	2300	1500	4200	2300	1600

Which state has the least number of vacancies in all the given years?

- (a) Uttar Pradesh
(b) Uttarakhand
(c) Himachal
(d) Bihar

27. Metallic spheres of radii 3 cm, 4 cm and unknown radius, respectively, are melted to form a single solid sphere. If the radius of the resulting sphere is 9 cm. Then find the unknown radius of the sphere.

- (a) 6 cm (b) 8.6 cm
(c) 3 cm (d) 4.3 cm

28. A cylindrical bucket of diameter 48 cm is filled with water to some height. If a solid spherical ball of diameter 24 cm is completely immersed, then an increase in the height of water level in the bucket will be:

- (a) 1 cm (b) 2 cm
(c) 3 cm (d) 4 cm

29. Pipes A and B can fill a tank in 5 and 6 hrs respectively. Pipe C can empty

it in 12 hrs. If all the three pipes are opened together, then the tank will be filled in:

- (a) $3\frac{9}{17}$ hrs (b) $4\frac{1}{2}$ hrs
(c) $1\frac{13}{17}$ hrs (d) $3\frac{8}{11}$ hrs

30. The amount doubles itself under Simple interest in 3 years. In how many years will it become 52 times of itself?

- (a) 157 (b) 155
(c) 153 (d) 151

31. A person crosses a 455-meter long distance in 35 minutes. What is his speed in km/hr?

- (a) 0.52 (b) 0.95
(c) 0.62 (d) 0.78

32. P, Q, and R can individually complete a work in 12, 24, and 36 days respectively. If they work on alternate days starting with P and R, then Q in how many days work will get completed?

- (a) 17 days (b) 18 days
(c) 19 days (d) 20 days

33. Golu can do work in 5 days and Rohit in 15 days. How many days do they work together to complete the two-fifth work?

- (a) 20 (b) $\frac{75}{4}$
(c) $\frac{3}{2}$ (d) $\frac{15}{4}$

34. Two numbers are in the ratio of 4 : 5. If the first number is increased by 50% and the second number is decreased by 27, the ratio becomes 3 : 4. Find the difference between numbers.

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

35. The cost price of a car is five times of the loss incurred on selling this car. What is the loss percentage?

- (a) 25 % (b) 16.66 %
(c) 20 % (d) 33.33 %

36. A child spends 25% of her pocket money on chocolates and 20% of the rest on toys. She is now left with Rs.1080. Find her pocket money.

- (a) Rs.1800 (b) Rs.1600
(c) Rs.1880 (d) Rs.1860

37. An average price of pen, pencil, rubber is Rs. 33. If their prices are in the ratio 5 : 3 : 1, then their prices are respectively:

- (a) Rs. 55, Rs. 33, Rs. 11
(b) Rs. 65, Rs. 39, Rs. 13

(c) Rs. 60, Rs. 48, Rs. 12

(d) Rs. 25, Rs.15, Rs. 5

38. The value of $\frac{2}{(\sqrt{5}+\sqrt{3})} + \frac{3}{(\sqrt{6}-\sqrt{3})} + \frac{1}{(\sqrt{6}+\sqrt{5})}$ is:

- (a) $2\sqrt{5}$ (b) $2\sqrt{6}$
(c) 0 (d) $2\sqrt{3}$

39. If $\sqrt{x+1} - \sqrt{x-1} = 1$ then value of x is:

- (a) $\frac{5}{4}$ (b) $\frac{2}{3}$
(c) $\frac{4}{5}$ (d) $\frac{3}{5}$

40. If p and q are positive integers and (p-q) is an even number, then (p² - q²) will always be divisible by:

- (a) 4 (b) 6
(c) 12 (d) 8

English

41. Direction: Each item in this section has a sentence with three parts labelled (a), (b), and (c). Read each sentence to find out whether there is an error in any part and if you find no error, your response should be indicated as (d).

(a) Opening his letters
(b) reading them carefully and sending for his clerk
(c) he dictated answers with them
(d) No error

- (a) (a) (b) (b)
(c) (c) (d) (d)

42. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response accordingly.

I fully believe that the cornerstone of good policy is an electorate that is educated on national issues.

- (a) cerebral (b) enlightened
(c) ignorant (d) erudite

43. Direction : Choose the appropriate preposition for the given sentence. There is a heavy demand _____ these goods.

- (a) on (b) in
(c) for (d) between

44. Direction : Fill in the blanks with an appropriate preposition.

They marched _____ the street.

- (a) in (b) into
(c) at (d) by

45. Direction : Fill in the blanks with the correct form of a verb.

Don't _____ me you've lost your keys again.

- (a) say (b) tell
(c) speak (d) inform

46. Direction : Choose the correct form of tense for the given sentence.

This book _____ to her.

- (a) has belonged (b) belongs
(c) is belonging (d) belong

47. Direction : Fill in the blank with the correct article.

Would you like _____ apple?

- (a) a (b) an
(c) the (d) no article

48. Direction: Select the most appropriate one-word substitution for the given group of words.

A Kennel is a place where:

- (a) Horses are kept
(b) Dogs are kept
(c) Pigs are kept
(d) Cats are kept

49. Direction: Identify the part of speech of the Bold word.

What did she ask you to do?

- (a) Conjunction (b) Preposition
(c) Noun (d) pronoun

50. 'To decamp' would mean:

- (a) To remove tent
(b) To evict campers
(c) To decrease pressure
(d) To leave suddenly

51. Direction: Change the following sentence given below in the appropriate narration form.

Mother said, "I am aware of your increasing discomfort in the house".

- (a) Mother will say that she was aware of my increasing discomfort in the house.
(b) Mother would say that she is aware of my increasing discomfort in the house.
(c) Mother said that she was aware of my increasing discomfort in the house.
(d) Mother would say that she was aware of my increasing discomfort in the house.

52. Direction: Fill in the blanks with suitable prepositions: