

GENERAL AWARENESS

1. Patanwadi, is a sheep breed known for its hosiery wool quality, is native to
 - (1) Maharashtra
 - (2) Assam
 - (3) Kerala
 - (4) Gujarat
2. Which of the following disease is not affected by bacteria?
 - (1) Anthrax
 - (2) T.B.
 - (3) Rubella
 - (4) Cholera
3. Consider the following and select the right option.
 - (1) Oncology - study of cancer
 - (2) Dermatology - study of skin diseases
 - (3) Both are right
 - (4) Both are wrong
4. Another name for baking soda is
 - (1) Sodium bicarbonate
 - (2) Sodium carbonate
 - (3) Sodium sulphate
 - (4) Sodium hydroxide
5. Consider the following and select the right option.
 - (1) Stomach - hydrochloric acid
 - (2) Ant - formic acid
 - (3) Both are right
 - (4) Both are wrong
6. Which of the following is example/s for chemical change of a substance?
 - (1) Rusting of iron
 - (2) Ripening of fruits
 - (3) Egg into omelette
 - (4) All the above
7. A book 'India After Gandhi' is written by

- (1) Bipan Chandra
 - (2) Ramachandra Guha
 - (3) Upinder Singh
 - (4) Satish Chandra
8. Meetings of Grama Panchayat and Grama Sabha is called or summoned by
 - (1) District Magistrate
 - (2) Grama Panchayat President
 - (3) Grama Panchayat Secretary
 - (4) Zilla Panchayat President
 9. Which of the following is not a part of solar system?
 - (1) Asteroids
 - (2) Meteors
 - (3) Moon
 - (4) None of the above
 10. Mean difference between the sun and the earth is
 - (1) 1 A.U.
 - (2) 0.5 A.U.
 - (3) 0.25 A.U.
 - (4) 0.75 A.U.
 11. An island nation Maldives, is located in
 - (1) Pacific ocean
 - (2) Atlantic ocean
 - (3) Southern ocean
 - (4) Indian ocean
 12. The degree measure of Prime Meridian is
 - (1) 90°
 - (2) 180°
 - (3) 0°
 - (4) 360°
 13. The standard meridian (IST) of India is
 - (1) 82.5° East
 - (2) 82.5° South
 - (3) 80.5° East
 - (4) 80.5° South
 14. World's longest mountain ranges are found in
 - (1) Himalayas
 - (2) Alps
 - (3) Rockies
 - (4) Andes

15. Which of the following continent, in which tropic of cancer, equator and tropic of capricorn passes through?
 - (1) Australia
 - (2) Asia
 - (3) Africa
 - (4) South America
16. Which of the following is an example for fold mountains?
 - (1) Himalayas
 - (2) Aravalis
 - (3) Ural
 - (4) All the above
17. Which of the following forest type is called as monsoon forest?
 - (1) Rain forest
 - (2) Equatorial forest
 - (3) Deciduous forest
 - (4) Mountain forest
18. Which of the following tree is not an example for thorny type of forest?
 - (1) Khair
 - (2) Keekar
 - (3) Babool
 - (4) Red sanders
19. Which one of the following act is called Montague-Chelmsford reforms?
 - (1) August Offer
 - (2) 1919 Government of India Act
 - (3) 1909 Government of India Act
 - (4) 1935 Government of India Act
20. In India Wild Life Week is celebrated every year in the month of
 - (1) First week of September
 - (2) First week of October
 - (3) First week of June
 - (4) First week of December

GENERAL INTELLIGENCE AND REASONING ABILITY

21. Complete the analogy

$$\frac{5}{6} : \frac{64}{49} :: \frac{4}{7} : ?$$

(1) $\frac{16}{49}$ (2) $\frac{27}{64}$

(3) $\frac{64}{49}$ (4) $\frac{125}{64}$

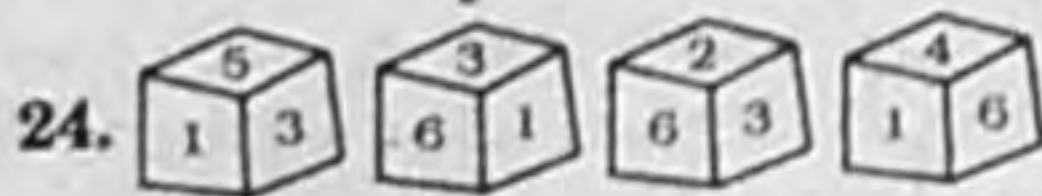
22. Find the missing number in the square.

7	5	36
9	1	25
12	4	?

- (1) 64 (2) 16
(3) 8 (4) 4

23. Pick the odd one out among the pairs (12, 36), (30, 225), (18, 81), (40, 324).

- (1) (12, 36) (2) (40, 324)
(3) (18, 81) (4) (30, 225)



In the above cube, which number is on the face opposite to 2?

- (1) 5 (2) 4
(3) 1 (4) 3

25. Choose the right option for * in the order for the equation $(8 * 7) * 5 * (78 * 6) = 65$

- (1) $\times - - +$
(2) $\div \times \times +$
(3) $- \times \times \div$
(4) None of these

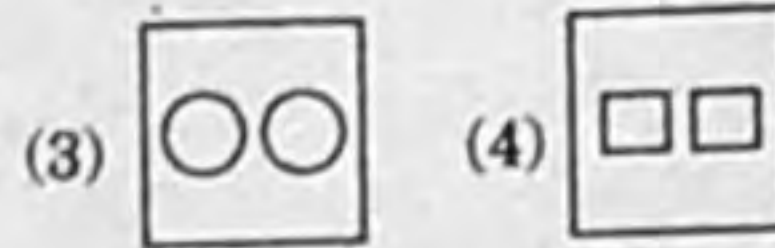
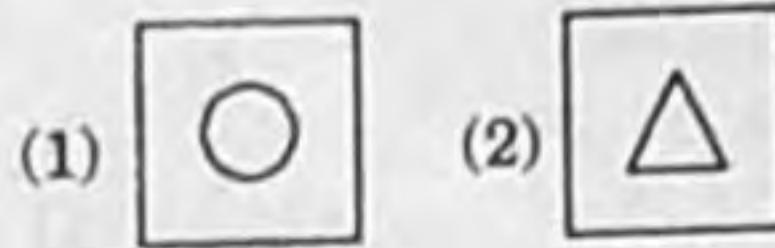
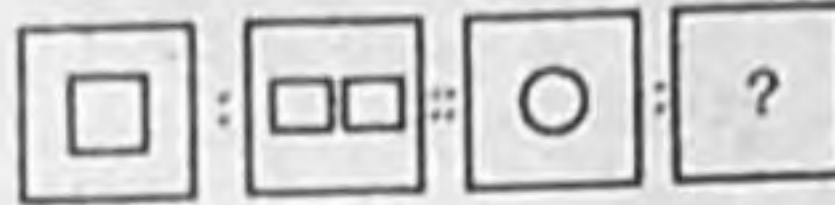
26. My friend was born on 4th December. I am younger to him by 20 days. This year the children's day is on Thursday, on which day my birthday falls?

- (1) Saturday (2) Friday
(3) Monday (4) Sunday

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

- (1) P (2) Q
(3) S (4) R

28. Complete the analogy in the following figures.



29. A monkey ate 100 bananas in 5 days, each day eating 6 more than the previous day. How many did it eat on the last day?

- (1) 23 (2) 26
(3) 35 (4) 32

30. Rajesh is the brother of Anil. Sonia is the sister of Sunil. Anil is the son of Sonia. How is Rajesh related to Sonia?

- (1) Brother (2) Son
(3) Nephew (4) Father

31. If RAJESH is coded as SBKFTI, then how is URMILA coded?

- (1) TQLHKZ
(2) VSNHMB
(3) BMJNSV
(4) None of these

32. If FRUIT is coded as 58281, then how is GRAPES coded?

- (1) 718116519
(2) 791751
(3) 680649
(4) 680640

33. How many rectangles are there in the figure?



- (1) 6 (2) 9
(3) 10 (4) 8

34. Identity by interchanging which 2 signs (operations) the equation

$$27 + 9 \div 6 \times 2 - 5 = 10 \text{ can be made valid.}$$

- (1) + and - (2) \div and +
(3) - and \div (4) + and \times

35. The zoo had some lions and some parrots. The keeper counted 15 heads and 50 legs. The number of lions there is

- (1) 9 (2) 10
(3) 5 (4) 1

36. Select the word which is different from the other three in the group.

- (Rose, Lotus, Tulip, Hibiscus)
(1) Rose (2) Hibiscus
(3) Lotus (4) Tulip

37. Find the missing number in the sequence

$$\frac{1}{1296}, ?, \frac{1}{36}, \frac{1}{6}$$

(1) $\frac{1}{996}$

(2) $\frac{1}{360}$

(3) $\frac{1}{216}$

(4) None of these

38. A man travels 3 kms towards East, then 2 kms towards North and again 2 kms East and finally 14 kms towards South. What is his nearest distance from the starting point?

- (1) 12 kms (2) 13 kms
(3) 15 kms (4) 9 kms

39. Find the right option for x, given, Car : Garage :: Aeroplane : x

- (1) Port (2) Depot
(3) Hangar (4) Harbour

40. Which number replaces the question mark?



- (1) 5 (2) 4
(3) 6 (4) 3

ARITHMETICAL AND NUMERICAL ABILITY

41. In a class of 30 students, 15 students have taken computer science, 10 students have taken computer science but not electronics. Find the number of students who have taken electronics but not computer science.

Note : For students in the class of 30, either computer science or electronics is compulsory.

- (1) 15
(2) 20
(3) 25
(4) None of these

42. If $P(n) : 2 \cdot 4^{2n+1} + 3^{2n+1}$ is divisible by λ for all $n \in \mathbb{N}$, then the value of λ is

- (1) 11
(2) 5
(3) 7
(4) None of these

43. A carpenter was hired to build 192 window frames. The first day he made 5 frames and each day thereafter he made 2 more frames than he made the day before. How many days did it take him to finish the job?

- (1) 10 days
(2) 12 days
(3) 15 days
(4) None of these

44. Find the greatest number that divides 132 and 77 leaving the remainder 2 in each case.

- (1) 50
(2) 55
(3) 5
(4) None of these

45. The LCM and HCF of two numbers are respectively 432 and 72. If one number is 144, find the other number.

- (1) 16 (2) 108
(3) 216 (4) 12

46. Find the least integer which when divided by 6, 10, 15 and 30 leaves the remainder 2.

- (1) 32 (2) 60
(3) 90 (4) 2

47. The value of $\frac{2^n + 2^{n-1}}{2^{n+1} - 2^n}$ is

- (1) 1
(2) $\frac{3}{2}$
(3) $\frac{6}{5}$
(4) None of these

48. If α and β are the roots of the equation $ax^2 + bx + c = 0$, find

the value of $\left(\frac{\alpha}{\beta^2} + \frac{\beta}{\alpha^2} \right)$.

- (1) $\frac{3abc - b^2}{c^2}$
(2) $\frac{3abc - b^3}{ac^2}$
(3) $\frac{3abc - b^3}{c^3}$
(4) None of these

49. A number which when decreased by 20 is equal to 69 times the reciprocal of the number. Find the number.

- (1) 32
(2) 21
(3) 23
(4) None of these

50. The present ages of two brothers are in the ratio 3:4. Four years ago their ages were in the ratio 2:3. Find their present ages.

- (1) 3 years, 4 years
(2) 12 years, 16 years
(3) 9 years, 12 years
(4) None of these

51. A sum was put at simple interest at a certain rate for 4 years. Had it been put at 2% higher rate, it would have fetched Rs. 56 more. Find the sum.

- (1) Rs. 700 (2) Rs. 1,000
(3) Rs. 5,000 (4) Rs. 7,000

52. The average weight of a group of 35 people is 47.5 kg. If 36th person is added to the group, the average weight increased

by $\frac{1}{2}$ kg. What is the weight of the 36th person?

- (1) 60 kg (2) 62.5 kg
(3) 63.5 kg (4) 65.5 kg

53. The average age of A and B is 18 years, that of B and C is 17 years and that of C and A is 20 years. What is the age of B?

- (1) 55 years (2) 25 years
(3) 20 years (4) 15 years

54. Karthik received a scholarship of Rs. 5,000 in 2017 and Rs. 8,000 in 2018. Find the percentage increase.

- (1) 50%
(2) 30%
(3) 60%
(4) None of these

55. Ritu's salary was increased by 10% and then again by 5%. If the present salary is Rs. 9,240. What was Ritu's previous salary?

- (1) Rs. 8,034.8
(2) Rs. 8,000
(3) Rs. 8,100
(4) None of these

56. Abhinav saves Rs. 75 by getting a discount of 15% on a text book. How much did he pay for the book?

- (1) Rs. 500 (2) Rs. 525
(3) Rs. 450 (4) Rs. 425

57. A and B can do a piece of work in 12 days, B and C in 15 days and C and A in 20 days. How many days will A alone take to complete the work?

- (1) 60 days
(2) 20 days
(3) 30 days
(4) None of these

58. A and B are walking toward each other at 4 kmph and 5.5 kmph respectively. If the distance between them is 28.5 km, find out when will they meet?

- (1) 3 hours
- (2) 2.5 hours
- (3) 4 hours
- (4) None of these

59. Two taps can separately fill a tank in 12 and 15 minutes respectively. The tank, when full, can be emptied by a drain pipe in 20 minutes. When the tank was empty, all the three taps were opened simultaneously. In what time will the tank be filled up?

- (1) 15 minutes
- (2) 10 minutes
- (3) 12 minutes
- (4) None of these

60. In a bag there are coins of 1 Re., 50 paise, 25 paise in the respective ratio of $2\frac{1}{2} : 3 : 4$.

If the total money in the bag is Rs. 80, find the number of coins of each kind respectively.

- (1) 25, 50, 120
- (2) 40, 50, 60
- (3) 50, 20, 40
- (4) 40, 48, 64

ENGLISH LANGUAGE AND COMPREHENSION

Directions (61-62) : Fill in the blanks with appropriate prepositions :

61. We had a long discussion _____ the problem.

- (1) of
- (2) for
- (3) over
- (4) about

62. A teacher must have control _____ his class.

- (1) over
- (2) with
- (3) on
- (4) in

Directions (63-64) : Change the voices of these sentences.

63. Who did this mischief?

- (1) By whom was this mischief done?
- (2) Who was this mischief done by?
- (3) Was this mischief done by you?
- (4) By whom is this mischief done?

64. Do not shout at them.

- (1) Stop shouting at them.
- (2) Let them not be shouted upon.
- (3) Let they not be shouted upon.
- (4) You are commanded not to shout at them.

Directions (65-66) : Choose the correct meaning of the printed in **bold** idiom from the given options.

65. All the directors of this firm are **above board**.

- (1) Honest and frank
- (2) To be punished
- (3) Obliging each other mutually
- (4) Short of money

66. Mr. Chawla is a **man of parts** and calibre.

- (1) Kind and charitable person
- (2) Of superior ability
- (3) Friend in prosperity only
- (4) Perseverance

Directions (67-68) : Change the following sentences into indirect speech.

67. My mother said, "Earth is the only planet where life exists".

- (1) My mother told that earth is the only planet where life exists.
- (2) I was told by my mother that earth was the only planet where life exists.
- (3) My mother said that earth is the only planet where life exists.
- (4) Earth is the only planet where life exists said my mother.

68. I said, "She has been working in this office since 2000".

- (1) I said that she was working in that office since 2000.
- (2) I told that she has been working in this office since 2000.
- (3) I told that she has worked in that office since 2000.
- (4) I said that she had been working in that office since 2000.

Directions (69-70) : Fill in the blanks with the appropriate articles.

69. He is _____ Newton of our day.

- (1) a
- (2) an
- (4) the
- (5) not needed

70. Mangoes are sold by _____ kilo, eggs by _____ dozen.

- (1) the, a
- (2) a, an
- (3) an, the
- (4) the, the

Directions (71-72) : Select the suitable tenses of the given sentences.

71. I had been waiting for you for two hours when you came.

- (1) Past perfect tense
- (2) Past perfect continuous tense
- (3) Past continuous tense
- (4) Past tense

72. We shall have been playing for three hours when you get there.

- (1) Future perfect continuous tense
- (2) Future perfect tense
- (3) Future continuous tense
- (4) Future tense

Directions (73-74) : Select the appropriate figure of speech.

73. The child is the father of the man.

- (1) Oxymoron
- (2) Epigram
- (3) Antithesis
- (4) Hyperbole

74. The camel is the ship of the desert.

- (1) Pun
- (2) Personification
- (3) Apostrophe
- (4) Metaphor

Directions (75-76) : Which part of speech do the bold words show ?

75. She brought me **round** to her views.

- (1) Verb
- (2) Adverb
- (3) Noun
- (4) Prepositions

76. My house is right **down** this street.

- (1) Adverb
- (2) Conjunction
- (3) Preposition
- (4) Adjective

Directions (77-78) : Identify the appropriate type of sentences.

77. When the boy saw the wolf, he ran away.

- (1) simple
- (2) compound
- (3) complex
- (4) negative

78. I arrived and the big dog started barking.

- (1) positive
- (2) complex
- (3) simple
- (4) compound

Directions (79-80) : Select the correct clause for the given sentences.

79. The man whose house was burned down left the village.

- (1) Noun clause
- (2) Relative clause
- (3) Adverb clause
- (4) Adjective clause

80. This is the place where the accident happened.

- (1) Adjective clause
- (2) Adverb clause
- (3) Noun clause
- (4) None of the above