



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

### Instructions:

1. Duration of the test is 60 minutes.
2. Total marks are 100.
3. Questions paper contains 50 Questions.
4. The question numbers
  - 1 to 9 belong to “Mental and Logical Ability”
  - 10 to 21 belong to Mathematics
  - 22 to 33 belong to Science
  - 34 to 45 belong to English and
  - 46 to 50 are “Scholars Section”
5. Each question carries negative marking.
6. Please leave the question in case you are not sure about answer.
7. Un-attempted questions do not attract negative marking.
8. Answers are to be given on a separate OMR sheet.
9. Rough work can be done anywhere in the booklet but not on the OMR sheet/loose paper.

### Section-1, Mental and Logical Ability

(1 mark for correct answer. 0.25 mark will be deducted for wrong answer)

1. Hema is 3 kg heavier than Kamala, who is 2 kg lighter than Monica.  
How much heavier is Hema than Monica?
  - a) 3 kg
  - b) 1.5 kg
  - c) 1 kg
  - d) 2 kg
2. Given below is the relationship between the ages of 4 students, Meena, Girish, Rani and Vishwa.
  - Meena is younger than Girish.
  - Rani is younger than Vishwa.
  - Vishwa is younger than Meena.

Who among these is the youngest?

- a) Meena
- b) Rani
- c) Girish
- d) Vishwa

3. What will be the middle digit of the following numbers if the numbers are reversed and arranged in ascending order?

**34, 57, 33, 63, 21**

- a) 12
- b) 33
- c) 36
- d) 43



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

4. If FOUGHT is coded as EQRKCZ, how will MALE be coded?
- LCII
  - NBIF
  - NZMD
  - KCMI
5. Read the following information carefully and answer the question given below.
- Pankaj and Tarun are good in Volleyball.
  - Tarun and Mohit are good in Baseball.
  - Mohit and Pankaj are good in Basketball.
  - Rohit and Tarun are good in Hockey.
- Who is good in only one game?
- Rohit
  - Tarun
  - Mohit
  - Mohith
6. Akarsh is 15<sup>th</sup> from the left end and 17<sup>th</sup> from the right end in a line. Find the total number of persons in the line.
- 30
  - 31
  - 33
  - 32
7. If 'Car' is called 'Train', 'Train' is called 'Tractor', 'Tractor' is called 'Bus', 'Bus' is called 'Bicycle' and 'Bicycle' is called 'Rickshaw' then which is used to plow a field?
- Car
  - Rikshaw
  - Bus
  - Bicycle
8. Read the following information carefully and answer the question that follows:
- P and Q like Science but not English.
  - Q and R do not like Hindi but like Maths.
  - R and S like Science and English.
  - P likes only one subject.
  - S does not like only Maths.
- Which of the following subject is liked by all the four students?
- Hindi
  - Math
  - Science
  - English
9. Among L, M, N and Q, M is heavier than L and N. N is not as heavy as L. Q is heavier than M. Who is the lightest?
- L
  - Q
  - M
  - N



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

### Section-2, Mathematics

(2 marks for correct answer. 0.50 mark will be deducted for wrong answer)

10. Sneha gave candy to a group of children. If she gave 5 candies to each child, she needed another 2 candies. If she gave each child 4 candies, there were 3 candies left.

How many children were there? How many candies did Sneha have?

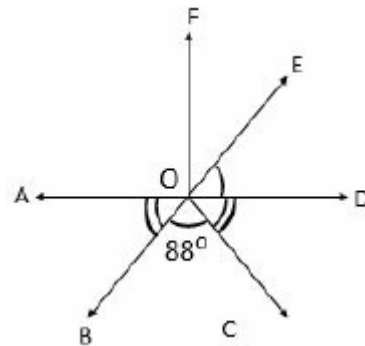
- a) 5,26
- b) 6,26
- c) 5,23
- d) None

11. Garima is facing the Community centre. What will she be facing if she turns 270 clockwise?



- a) Temple
- b) Mall
- c) School
- d) Park

12. AD and BE are straight lines. Given that  $\angle AOB = \angle DOC$ , find  $\angle EOD$ .



- a)  $51^\circ$
- b)  $92^\circ$
- c)  $46^\circ$
- d)  $44^\circ$

13. Observe the twin primes in the table. Which of the given twin primes are present in the prime factorization of 2145?

(3,5)	(5,7)	(11,13)	(17, 19)
P	Q	R	S

- a) P and S
- b) P and R
- c) Q and R
- d) P and Q

14. Three people share 7 apples equally. What is the share of each?

- a) 1
- b)  $3/7$
- c)  $7/3$
- d)  $7/4$



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

15. The capacity of a cylindrical tank is 32 l.

- It is  $\frac{4}{5}$  full of water.
- A quarter of this volume of water is poured into a pail.

How much water is left in the cylindrical tank?

- a)  $15\frac{1}{9}l$
- b)  $19\frac{1}{5}l$
- c)  $15\frac{3}{5}l$
- d)  $19\frac{3}{5}l$

16. I am greater than 50 but smaller than 75.

- I am a multiple of 6.
- When I am divided by 9, the remainder is 3.

Which number am I?

- a) 68
- b) 66
- c) 72
- d) 60

17. The total weight of 35 passengers in an aeroplane is 1715 kg. The total weight of their suitcases is 1120kg. How much is the average weight of passengers with their luggage?

- a) 41 kg
- b) 42 kg
- c) 81 kg
- d) 40.5 kg

18. The sum of two like fractions is  $\frac{8}{9}$  and their difference is  $\frac{2}{9}$ . What are the two fractions?

- a)  $\frac{8}{9}, \frac{2}{9}$
- b)  $\frac{4}{9}, \frac{4}{9}$
- c)  $\frac{5}{9}, \frac{3}{9}$
- d)  $\frac{6}{9}, \frac{2}{9}$

19. Sunil had cake for his party

- At the party,  $\frac{3}{5}$  of the cake was eaten.
- What was left over weighed 600 g.
- What was the weight of the whole cake?

- a) 1.5 kg
- b) 240 kg
- c) 1 kg
- d) 360 kg

20. Which is not in ascending order?

- a) 0.3, 0.35, 0.53
- b) 0.98, 0.9, 0.89
- c) 0.7, 0.79, 0.97
- d) 3.45, 3.5, 3.54

21. The perimeter of one square is 24 metres and that of another is 32 metres. Perimeter of a square whose area is equal to the sum of the areas of the two squares will be:

- a) 60 m
- b) 40 m
- c) 30 m
- d) 50 m



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

### Section-3, Science

(2 marks for correct answer. 0.50 mark will be deducted for wrong answer)

22. How are the antennae of a cockroach useful to it?
- They help it to sense its way around
  - They help it to fly
  - They help to it fight off predators.
  - They help it to see better at night
23. Select the incorrect statement regarding greenhouse effect.
- Carbon dioxide and methane are the greenhouse gases.
  - Greenhouse effect results in global Warming.
  - Greenhouse effect occurs normally in nature and maintains temperature of Earth.
  - Oxygen is the major greenhouse gas.
24. Of many kinds of snake found in our country, only four types of snakes are poisonous. These are
- Puthon, Worm snake, Viper, Krait
  - Chameleon, Cobra, Russel's Viper and Worm snake
  - Common krait, Russel's viper, Cobra and Saw-scaled Viper
  - Sea snake, Python, Cobra, Common Krait
25. Which of the following animals breathe through body holes?
- Frogs
  - Grasshopper
  - Earthworms
  - All of these
26. How do you separate a mixture of salt, water and sand?
- Stir with water then filter
  - Reverse osmosis
  - Only filter
  - Both a and b
27. Which of the following is not an example of a physical change?
- Dissolving salt into water
  - Melting of candle to form liquid Wax
  - Boiling of water to form water vapours
  - Conversion of milk into curd
28. Which of the following statements about magnet is true?
- A magnet can be demagnetised by placing it in water
  - The strength of a magnet depends on its shape
  - The North pole of a magnet is as strong as its South pole.
  - The pull of a magnet cannot pass through water



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

29. Which one of the following causes the loss of nutrients in the soil?
- a) Planting trees
  - b) Rotational farming
  - c) Growing the same crops repeatedly in the same piece of land
  - d) All of these

30. Anupama used a blender to blend tomatoes. Answer the question based on this. What happens when she starts the blending process?

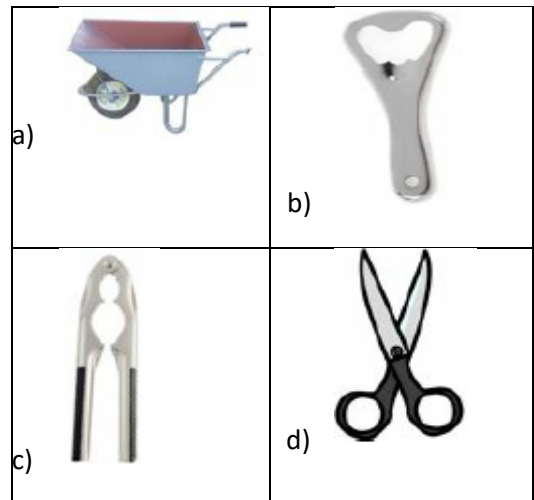


- a) The chemical potential energy is converted into electrical energy which is converted into kinetic energy and source energy.
- b) The chemical potential energy is converted into electrical energy which is converted into heat energy and sound energy.
- c) The chemical potential energy is converted into electrical energy which is converted into kinetic energy, heat energy and source energy.
- d) The electrical energy is converted into kinetic energy, heat energy and sound energy.

31. Which of these simple machines is used in stitching clothes with a sewing machine?
- a) Screw
  - b) Wheel and axle
  - c) Lever
  - d) All of these

32. The teacher gave a demonstration in the science class by blowing through a straw pipe in lime water contained in the test tube. Continuously blowing for a minute, it was observed that the lime water turned milky. The gas being blown by the teacher is:
- a) Carbon dioxide
  - b) Nitrogen
  - c) Hydrogen
  - d) Oxygen

33. Which of the following is not a lever of the second order?





# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

### Section-4, English

(1.5 marks for correct answer. 0.25 mark will be deducted for wrong answer)

34. Match the following:

a. January	(i) Common Noun
b. Soldier	(ii) Collective Noun
c. Team	(iii) Proper Noun

- a) a-(iii), b-(i), c-(ii)
- b) a-(iii), b-(ii), c-(i)
- c) a-(i), b-(ii), c-(iii)
- d) none of these

35. CHOOSE THE BEST REPLY TO COMPLETE EACH CONVERSATION

**Uncle:** On 9th of this month. We are coming by Air India Flight.

**Radhika:** \_\_\_\_\_

**Uncle:** At 11 am.

**Radhika:** We will come to receive you at the airport. We have bought a new Opel Astra. We'll show you around Delhi in our new car.

- a) When will your aeroplane land at the airport?
- b) When will you board the flight
- c) When will you take off?
- d) none of these

36. Choose the correct option to complete the conversation/dialogue.

**Mom:** Stop daydreaming and building castles in the \_\_\_\_\_! Work hard first.

- a) Mud
- b) Air
- c) Clouds
- d) Sand

37. Find the antonyms of the word given in capital letters:

ALLIANCE

- a) Concord
- b) Friendship
- c) Hostility
- d) Combination

38. CHOOSE THE BEST WORD/PHRASE TO COMPLETE THE SENTENCE.

The watermelon tasted delicious. You \_\_\_\_\_tasted it.

- a) should be
- b) ought to have
- c) would be
- d) none of these

39. Change the active voice into passive voice:  
Akash bought an almirah.

- a) An almirah was being bought by Akash
- b) An almirah was been bought by Akash
- c) An almirah was bought by Akash
- d) An almirah is bought by Akash

40. Choose the word that completes the sentence below correctly?

The \_\_\_\_\_ of dancers was ready for its performance.

- a) Troop
- b) Troupe
- c) Band
- d) Flock



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

41. Find adverb from the given sentence:

Hurriedly, Rina packed her bag.

- a) Rina
- b) Hurriedly
- c) Packed
- d) Bag

42. Complete the proverb

Absence makes the heart grow \_\_\_\_\_

- a) Larger
- b) Fonder
- c) Smaller
- d) None

43. Choose the correct word /phrase to complete the sentence.

My uncle brought a \_\_\_\_\_ shirt for me.

- a) yellow big baggy polo
- b) baggy big yellow polo
- c) polo yellow big baggy
- d) big baggy yellow polo

44. CHOOSE THE MOST SUITABLE OPTION TO COMPLETE THE SENTENCE.

\_\_\_\_\_ Harry Potter series is \_\_\_\_\_ great collection of books.

- a) The, a
- b) No article, no article
- c) A, a
- d) The, an

45. Complete the following sentence.

They will be great footballers if they can \_\_\_\_\_ the training.

- a) Halt
- b) Endure
- c) Layoff

d) respite

---

### Section-5, Scholars Section

(5 marks for correct answer. 2 marks will be deducted for wrong answer)

---

46. If we increase the temperature of the medium in which sound is travelling, then the speed of sound will

- a) remain the same.
- b) increase.
- c) not be affected.
- d) decrease.

47. Saroj, Jaggu and Bholu, each owns a fruit shop.

- In Saroj's shop, 3 oranges are sold for Rs 24.
- In Jaggu's shop, 2 oranges are sold for Rs 20.
- In Bholu's shop, 5 oranges are sold for Rs 45.

In whose shop are oranges sold at the cheapest rate?

- a) Jaggu's shop
- b) Saroj's shop
- c) Bholu's shop
- d) All of them sell oranges at the same rate.

48. The small intestine of our body absorbs nutrients to feed into the blood.

Which one of the following parts of blood works for transporting these nutrients into the whole part of our body?

- a) Plasma
- b) RBC
- c) Platelets
- d) All of these



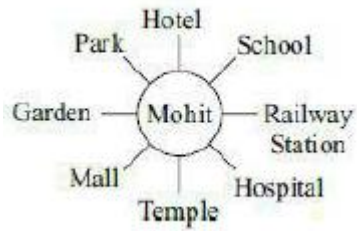


# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

49. Mohit is facing the railway station. What will he be facing, if he turns  $315^\circ$  anti-clockwise?



- a) Hotel
- b) Hospital
- c) Temple
- d) Park

50. Jackie can make 2 pies in 3 minutes. Lenny can make 3 pies in 2 minutes. How many pies can they make together in an hour?

- a) 100
- b) 130
- c) 50
- d) 150



# Indian School Talent Search Exam (ISTSE)

## Sample Paper (Paper Based Exam) – Class 5

Total Questions: 50, Total Marks: 100

Answer Key									
1 - C	2 - B	3 - C	4 - A	5 - A	6 - B	7 - C	8 - C	9 - D	10 - C
11 - A	12 - C	13 - B	14 - C	15 - B	16 - B	17 - C	18 - C	19 - A	20 - B
21 - B	22 - A	23 - D	24 - C	25 - B	26 - D	27 - D	28 - C	29 - C	30 - D
31 - D	32 - A	33 - D	34 - A	35 - A	36 - B	37 - C	38 - B	39 - C	40 - B
41 - B	42 - B	43 - D	44 - A	45 - B	46 - B	47 - B	48 - A	49 - B	50 - B