

FOR CLASS 8TH (INSIGHT)
SAMPLE TEST

Time: 1 Hr

Max Marks : 200

The Test Consists of Four Sections : (TOTAL 50 QUESTIONS)		
Section	No. of Questions	Syllabus
Section A : Calculation	10 Q.	No. specific preparation required
Section B : Reasoning	10 Q.	
Section C : Comprehension	5 Q.	
Section D : Scholastic Aptitude	25 Q.	General Maths & Science of Class 7

INSTRUCTIONS TO CANDIDATE

- Each subject in this paper consists of multiple choice questions with only one correct answer. **+4 marks** will be awarded for correct answer and there is no negative marking.
- Please read the instructions given for each question carefully and fill the correct answer against the question numbers on the answer sheet in the respective subject.
- Use blue or black ball point pen to darken the appropriate circle & mark should completely fill the circle.
- The Question paper contains blank spaces for your rough work. No additional sheet will be provided for rough work.
- Blank papers, Clipboards, Log Tables, Slide rule, Calculators, Cellular phones, Pagers and Electronic gadgets in any form are not allowed.
- Write your Name, Student ID in the block at the top of the Answer Sheet. Also write your Name & Student ID in the space provided on this cover page of question paper.
- **This test paper is just an indicative of the actual test. Total number and type of questions in actual test may vary.**

Name: _____ Student ID _____

Dear student, this sample test is an indicative of the actual test, in which you would be tested on various skills required to crack any competitive exam in the future.

After the actual test, you would be given a report indicating your strengths and weaknesses in each of the sections. This would be very useful to analyze your performance.



Space for Rough work

SECTION - A
CALCULATION

1. $1362 + 1239 = (?)^2$
(A) 2601 (B) 51
(C) 53 (D) 2809
2. $16831 + 9348 - 1007 = ? \times 58$
(A) 414 (B) 424
(C) 434 (D) 444
3. $9984 \div \sqrt{?} = 384$
(A) 636 (B) 646
(C) 656 (D) None of these
4. $16 \times 36 \div 15 + 11 = ?$
(A) 43 (B) 41.5
(C) 47 (D) None of these
5. $15368 + 8153 - 729 = ? \times 56$
(A) 407 (B) 313
(C) 679 (D) 546
6. $11256 + 5838 - 623 = ? \times 91$
(A) 174 (B) 163
(C) 181 (D) 196
7. $14.01 \times 1.25 \times 2.5 = ?$
(A) 43.75 (B) 43.78125
(C) 28.78125 (D) 44.78125
8. $\frac{15 \times 3 + 14 \times 4}{601 \times 2 - 1101} = ?$
(A) 101 (B) 0
(C) 10 (D) 1
9. $\sqrt[3]{103823} = ?$
(A) 49 (B) 51
(C) 45 (D) None of these
10. $65947 + 3681 + 27 + 55123 + 114 = ?$
(A) 124902 (B) 124778
(C) 124892 (D) 124865

SECTION - B
REASONING

11. Last vacation, my cousin came over to stay at my home. We made the most of her stay at my place... and I even earned a few chocolates.
Everyday, we would play a game of chess. Whoever lost the game owed a chocolate to the other. After the last game we played (that was the day she was to leave), we counted the number of games each of us had won and lost. Wow! I had won more than her. So, she handed me 5 chocolates... though she herself was the winner in 13 games.
How many days did my cousin spend at my place?
(A) 13 (B) 31
(C) 18 (D) 8
12. There is a number that is 8 times the sum of its digits. What is this number?
(A) 27 (B) 28
(C) 72 (D) 82
13. A number of children are standing in a circle. They are evenly spaced and the 8th child is directly opposite the 17th child. How many children are there altogether?
(A) 13 (B) 18
(C) 50 (D) 25
14. Each child in a family has at least 4 brothers and 4 sisters. What is the smallest number of children the family might have?
(A) 13 (B) 10
(C) 11 (D) 12
15. If you arrange these scrambled letters (related to cricket game) to make simple English words – uadtism, vore, amte, crose-pick the FIRST letters from the above words, then which word will be formed after unscrambling those first letters?
(A) most (B) dear
(C) sort (D) toss



Space for Rough work

SECTION - C
COMPREHENSION

16. It was Helen's first day at school. The teacher suggested that it would be a good idea for each child to meet every other child in the class. The teacher said, "When you meet, please shake hands and introduce yourself by name."

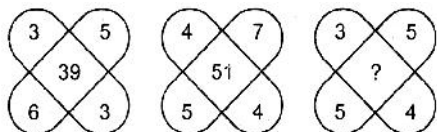
If there were 10 children in the class, how many total handshakes were there?

- (A) 45 (B) 50
(C) 65 (D) 70

Directions : (Q. 17-18) : Read the following information carefully and then answer the questions that follow.

Six girls A, B, K, D, E and P are standing in a row. B is between D and P. A does not stand next to either P or D. K does not stand next to D. E stands between A and K.

17. P stands between
(A) B and K (B) E and A
(C) D and B (D) A and K
18. Who occupy the extreme ends of the row?
(A) D and E (B) D and A
(C) A and P (D) B and E
19. Which letter will be 10th to the left of the 15th letter from the left end of the following sequence?
ABCDEF GHIJKL MNOPQR STUVWXY Z
(A) E (B) F
(C) G (D) H
20. Find the missing number



- (A) 35 (B) 37
(C) 45 (D) 47

Read the passage carefully :

It is a long time since slavery has been a controversial issue. It was abolished in most countries a long time ago. However an international conference on racism has raised the topic once more.

The original purpose of the conference, which took place in Durban and which was attended by 166 countries, was to plan a global strategy to stamp out racial prejudice. However delegates from some of the African countries decided to raise the issue of slavery and this became a central theme.

The African countries were seeking an official apology from America and European nations which had taken part in the slave trade. Some of them wished it to be established that slavery was a crime against humanity. The European nations refused to agree to this wording, feeling that doing so might lead to demands for compensation and great many of lawsuits. Some African countries suggested that the slave-trading nations and colonial countries should make restitution by giving financial assistance to African recovery programmes.

It is unfortunate that this discussion over slavery should have overshadowed the original topic of the conference. Slavery is obviously an important issue, but it lies in history. Racism is very much in the present, and it is causing a great deal of suffering.

On the basis of your reading of the passage, pick out the right option from the list of options given in each question. Write the correct option in your answer sheet.

21. The purpose of the conference in Durban was to discuss :
(A) slave trade (B) global warming
(C) economic recession (D) racism
22. The phrase 'slavery was a crime against humanity' denotes :
(A) exploitation of a human being by a human being
(B) prejudice
(C) persecution (D) none of the above



Space for Rough work

23. The topic of discussion that took the pride of place in the conference was :

- (A) racism (B) slavery
(C) globalisation (D) stock markets

Read the given passage carefully.

Coffee and Cup

A group of alumni, highly established in their careers, got together to visit their old university professor. Conversation soon turned into complaints about stress in work and life. Offering his guests coffee, the professor went to the kitchen and returned with a large pot of coffee and an assortment of cups, porcelain, plastic, glass, crystal, some plain looking some expensive, some exquisite—telling them to help themselves to hot coffee.

When all the students had a cup of coffee in hand, the professor said : “If you noticed, all the nice looking expensive cups were taken up, leaving behind the plain and cheap ones. While it is but normal for you to want only the best for yourselves, that is the source of your problems and stress. What all of you really wanted was coffee, not the cup, but you consciously went for the best cups and were eyeing each other’s cups.

“Now if life is coffee, then the jobs, money and position in society are the cups. They are just tools to hold and contain life, but the quality of life doesn’t change. Sometimes, by concentrating only on the cup, we fail to enjoy the coffee in it.”

Read the questions given below write the option you consider the most appropriate in your answer sheet.

24. Who did the group of alumni get together to visit ?

- (A) their mothers (B) their fathers
(C) their old school teacher
(D) their old university professor

25. Their conversation soon turned to :

- (A) their lives
(B) their married life
(C) the stress in work and life
(D) their friends

SECTION - D

SCHOLASTIC APTITUDE

26. Organisms which prepare food for themselves using simple naturally available raw materials are referred to as

- (A) heterotrophs (B) autotrophs
(C) parasites (D) saprophytes

27. In the absence of which of the following will photosynthesis not occur in leaves?

- (A) Guard cells (B) Chlorophyll
(C) Vacuole (D) Space between cells

28. Given below from (i) to (iv) are some food items.

- (i) Boiled and mashed potato
(ii) Glucose solution
(iii) A slice of bread (iv) Mustard oil

Which of the above will give blue-black colour when tested with iodine?

- (A) (i) and (ii) (B) (i) and (iii)
(C) (ii) and (iii) (D) (iii) and (iv)

29. Which of the following pair of teeth differ in structure but are similar in function?

- (A) canines and incisors. (B) molars and premolars.
(C) incisors and molars.
(D) premolars and canines.

30. The rearing of silkworms for obtaining silk is called

- (A) cocoon (B) silk
(C) sericulture (D) silviculture

31. Which of the following is not a type of silk?

- (A) Mulberry silk (B) Tassar silk
(C) Mooga silk (D) Moth silk

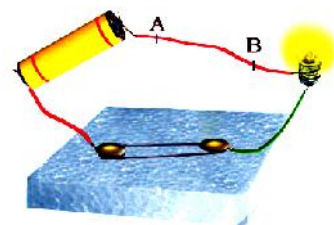
32. A marble tile would feel cold as compared to a wooden tile on a winter morning, because the marble tile

- (A) is a better conductor of heat than the wooden tile.
(B) is polished while wooden tile is not polished.
(C) reflects more heat than wooden tile.
(D) is a poor conductor of heat than the wooden tile.

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33. The correct way of making a solution of acid in water is to
 (A) add water to acid.
 (B) add acid to water.
 (C) mix acid and water simultaneously.
 (D) add water to acid in a shallow container.
34. Which of the following is a physical change?
 (A) Rusting of iron
 (B) Combustion of magnesium ribbon
 (C) Burning of candle
 (D) Melting of wax
35. The maximum and minimum temperature displayed daily in the weather bulletin refer to the
 (A) highest day temperature and lowest night temperature of the day.
 (B) highest day temperature and highest night temperature of the month.
 (C) temperature recorded at 12 noon and at mid night (00.00 hrs).
 (D) average highest temperature of day and average lowest temperature of night.
36. A fire alarm usually detects smoke in case of fire. Where should such an alarm be placed in a room?
 (A) Near the door (B) On the floor
 (C) On any wall (D) On the ceiling
37. The microorganisms present in the soil require moisture(water) and nutrients for growth and survival. Choose from the options below the habitat(place) where the soil has plenty of water and nutrients.
 (A) Desert (B) Forest
 (C) Open field (D) Cricket ground
38. Sometimes when we do heavy exercise, anaerobic respiration takes place in our muscle cells. What is produced during this process?
 (A) alcohol and lactic acid (B) alcohol and CO₂
 (C) lactic acid and CO₂ (D) lactic acid only
39. The muscular tube through which stored urine is passed out of the body is called
 (A) kidney (B) ureter
 (C) urethra (D) urinary bladder
40. Which of the following parts of a plant take part in sexual reproduction ?
 (i) Flower (ii) Seed
 (iii) Fruit (iv) Branch
 Choose the correct answer from below.
 (A) (i) and (ii) (B) (i), (ii) and (iii)
 (C) (iii) and (iv) (D) (ii), (iii) and (iv)
41. Which of the following cannot be used for measurement of time?
 (A) A leaking tap.
 (B) Simple pendulum.
 (C) Shadow of an object during the day.
 (D) Blinking of eyes.
42. When an electric current flows through a copper wire AB as shown in figure, the wire
 (A) deflects a magnetic needle placed near it.
 (B) becomes red hot.
 (C) gives electric shock.
 (D) behaves like a fuse.
43. A and B were given one mirror each by their teacher. A found his image to be erect and of the same size whereas B found her image erect and smaller in size. This means that the mirrors of A and B are respectively
 (A) plane mirror and concave mirror.
 (B) concave mirror and convex mirror.
 (C) plane mirror and convex mirror.
 (D) convex mirror and plane mirror.



44. The ratio of the area of a square to that of the square drawn on its diagonal is :
- (A) 1 : 1 (B) 1 : 2
(C) 2 : 3 (D) 1 : 3
45. Rano runs 1000 metres while Rupa runs 800 metres, Rupa runs 300 metres while Astha runs 400 metres. How many metres can Astharun while Rano runs 600 metres :
- (A) 640 m (B) 680 m
(C) 720 m (D) 730 m
46. A certain sum lent out at simple interest amount to Rs. 575 in 3 years and to Rs. 625 in 5 years. Then the rate of interest is :
- (A) 3% (B) 5%
(C) 4% (D) 7%
47. If 25 men can reap a field in 60 days, then in how many days will 10 men reap the field ?
- (A) 125 days (B) 92 days
(C) 100 days (D) 150 days
48. If $\sqrt{2^n} = 16$, then the value of n is :
- (A) 4 (B) 8
(C) 2 (D) 3
49. 1 litre of water weighs 1 kg. How many cubic millimetres of water will weigh 0.1 g ?
- (A) 100 (B) 1
(C) 10 (D) 0.1
50. The cost of levelling a rectangular ground at Rs. 1.25 per m^2 is Rs. 900. If the length of the ground is 30 metres, then the width is :
- (A) 6 m (B) 18 m
(C) 24 m (D) 36 m



Space for Rough work

ANSWER KEY

1. (B) 2. (C) 3. (D) 4. (D) 5. (A) 6. (C) 7. (B)
8. (D) 9. (D) 10. (C)

SECTION - B REASONING

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11. (B) 12. (C) 13. (B) 14. (B) 15. (D) 16. (A) 17. (A)
18. (B) 19. (A) 20. (B)

SECTION - C COMPREHENSION

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21. (D) 22. (A) 23. (B) 24. (D) 25. (C)

SECTION - D SCHOLASTIC APTITUDE

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26. (B) 27. (B) 28. (B) 29. (B) 30. (C) 31. (D) 32. (A)
33. (B) 34. (D) 35. (A) 36. (D) 37. (B) 38. (D) 39. (C)
40. (B) 41. (D) 42. (A) 43. (C) 44. (B) 45. (A) 46. (B)
47. (D) 48. (B) 49. (A) 50. (C)



Space for Rough work