

FOR MOVING TO CLASS 8TH (INSIGHT)
SAMPLE TEST

Time: 1 Hr

Max Marks : 180

The Test Consists of Four Sections : (TOTAL 45 QUESTIONS)		
Section	No. of Questions	Syllabus
Section A : Calculation	10 Q.	No. specific preparation required General Maths & Science of Class 7
Section B : Reasoning	10 Q.	
Section C : Scholastic Aptitude	25 Q.	

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 is a Sample Test Paper Actual Paper Pattern may vary.**

Name: _____ Student ID _____

SECTION - A
CALCULATION

SECTION - B
REASONING

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

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

SCHOLASTIC APTITUDE

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?

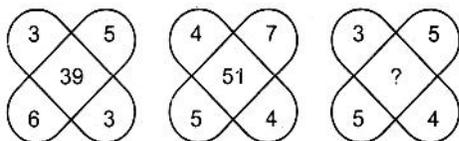
- (A) D and E (B) D and A
(C) A and P (D) B and E

19. Which letter will be 10th to the left of the 15th letter from the left end of the following sequence?

ABCDEFGHIJKLMN**O**PQRSTUVWXYZ

- (A) E (B) F
(C) G (D) H

20. Find the missing number



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

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

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

22. 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

23. 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)

24. 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.

25. The rearing of silkworms for obtaining silk is called

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

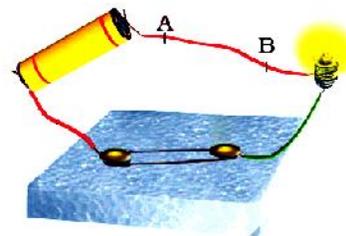
26. Which of the following is not a type of silk?

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

27. 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.

28. 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.
29. 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
30. 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.
31. 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
32. 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
33. 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
34. The muscular tube through which stored urine is passed out of the body is called
 (A) kidney (B) ureter
 (C) urethra (D) urinary bladder
35. 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)
36. 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.
37. 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.
38. 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.

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(C) plane mirror and convex mirror.

(D) convex mirror and plane mirror.

39. 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
40. 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
41. 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%
42. 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
43. If $\sqrt{2^n} = 16$, then the value of n is :
- (A) 4 (B) 8
(C) 2 (D) 3
44. 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
45. 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
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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 SCHOLASTIC APTITUDE

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21. (B) 22. (B) 23. (B) 24. (B) 25. (C) 26. (D) 27. (A)
28. (B) 29. (D) 30. (A) 31. (D) 32. (B) 33. (D) 34. (C)
35. (B) 36. (D) 37. (A) 38. (C) 39. (B) 40. (A) 41. (B)
42. (D) 43. (B) 44. (A) 45. (C)



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