

FOR CLASS 7TH (NURTURE)

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 6

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

Directions (Q. 1-10) : What should come in place of question mark(?) in the following questions?

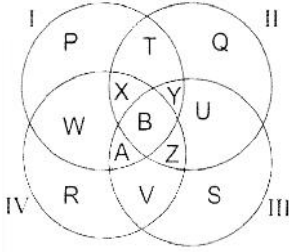
1. $177 \times 17 \times 7 - 7077 = ?$
(A) 13986 (B) 13286
(C) 13869 (D) 13689
2. $\frac{5}{8}$ of $\frac{4}{9}$ of $\frac{3}{5}$ of 666 = ?
(A) 108 (B) 123
(C) 111 (D) 129
3. $19 + 35 \times 85 \div 17 = ?$
(A) 194 (B) 270
(C) 226 (D) 178
4. $1107 \div 27 + (3)^4 = ?$
(A) 122 (B) 45
(C) 143 (D) 58
5. $495 \times 38 - 1885 = ?$
(A) 16695 (B) 16745
(C) 16885 (D) 16925
6. $43.34 + 44.33 + 343.43 = ?$
(A) 456.01 (B) 428.9
(C) 444.33 (D) 431.1
7. $58321 + 69386 = ? + 37098$
(A) 91619 (B) 90609
(C) 92609 (D) 89619
8. $10^{-3} = ?$
(A) 0.001 (B) 0.0001
(C) 0.01 (D) 1.01
9. $5555 + 555 + 55 = ?$
(A) 6555 (B) 6165
(C) 6665 (D) 55555
10. $-31 - 35 - 37 + 18 + 17 = ?$
(A) 68 (B) -103
(C) -138 (D) None of these

11. If U is denoted by 7, M by 2, I by 5, O by 1, K by 8 and J by 4, then what will be the numeric form of the word MOUJIK when written in the reverse order?
(A) 217458 (B) 845712
(C) 854712 (D) 857412
12. Dad gives you money every day to put in your new piggy bank. He gives money to you in such a way that the money in the piggy bank doubles with each passing day.
Dad gives you 1 cent the first day, 2 cents the second day, 4 cents the third day and so on, then your piggy bank gets full on the 16th day.
On which day will your piggy bank be half-full?
(A) 8th (B) 10th (C) 12th (D) 15th
13. Bodo weighs 60 pounds more than his sister Rebecca. Their combined weight is 100 pounds. How many pounds does Bodo weigh?
(A) 20 (B) 40 (C) 60 (D) 80
14. There is a village that has five fortune tellers. The first fortune teller's prediction has 84 % chance of being correct. The second has 58 % chance of being correct, the third 47 %, the fourth 33 %, and the fifth 6 %.
If you were trying to get the best prediction of your future, which fortune teller would you go to?
(A) 1st (B) 3rd
(C) 4th (D) 5th
15. Fill in the blank - Earth, Jupiter, _____, Pluto
(A) Uranus (B) Mercury
(C) Mars (D) Venus
16. Fill in the blank- rocket, plane, _____, bicycle
(A) cart (B) tricycle
(C) spacecraft (D) train
17. In which of the following options the letters are in alphabetical order –
(A) butterfly (B) iQuest
(C) almost (D) reasoning



Space for Rough work

Directions (Q. 18-19): These questions are based on the following diagram. Study the diagram and its information given below it. Choose the correct alternative given below each question and mark the number of that choice as your answer.



Circle I represents the people who eat Vanilla ice cream.

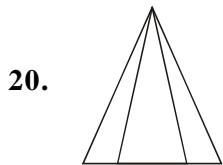
Circle II represents the people who eat Tuti-Fruity ice cream.

Circle III represents the people who eat Butter Scotch ice cream.

Circle IV represents the people who eat cornetto ice cream.

18. Which of the following represents the people who eat Vanilla ice cream as well as Tuti-Fruity but not any other ice cream ?
 (A) T (B) P
 (C) Q (D) P and Q
19. Which of the following represents the people who eat all the four ice cream ?
 (A) A (B) V
 (C) B (D) Z

Directions (Q. 20): Count the number of triangles in the given figure.



- (A) 6 (B) 8
 (C) 10 (D) 4

Read the passage given below carefully.

A Japanese professor has produced evidence to show that computer games can have a bad effect on children. Parents are worried in case the violence of many of the games will cause their children to become more aggressive and violent themselves. The other worry is that video games will prevent their children from developing their creativity. Professor Ryuta Kawashima of Tohoku University using state of art-technology conducted a research that showed that computer games may stunt the development of children's brain. He further stated that playing computer games stimulates activity in only one part of the players brain, the part associated with vision and movement. The frontal lobes of their brain, associated with learning, memory, emotion and self-control are underdeveloped.

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. Evidence shows that the impact of computer games can be :
 (A) harmful (B) excellent
 (C) good (D) very good
22. Computer games :
 (A) generate growth and creativity
 (B) prevent the development of children's brain
 (C) is an asset
 (D) none of the above
23. Computer games stimulate :
 (A) all branches of the brain
 (B) only the part associated with vision and movement
 (C) nothing
 (D) none of the above

SCHOLASTIC APTITUDE

Read the passage given below carefully.

In 1975, the FAO started the Project Tiger to help India save the three Indian crocodiles from extinction. The surveys revealed that there are were less than 200 gharials, while the mugger was better off and the saltwater crocodile was in a bad shape with its dwindling numbers and a few hundred left.

Crocodiles had been killed in thousands for their skins. Tribals and other local people collected their eggs for eating. Dam project and cutting down of forests were changing their habitats so fast that there was a danger of them disappearing altogether.

Why save crocodiles ? As master predators and scavengers, crocodiles keep the water system clean. They raise the genetic quality of the animals they feed on, sick they aim for the weak, the sick and the injured. Like the tiger in the forest, the crocodiles are at the top of the pyramid of wildlife in rivers, swamps and lakes. Without them nature become severely unbalanced and unhealthy. For example, if crocodiles are killed off in reservoirs the destructive catfish become a menace to commercial fishermen who catch carp and tilapia.

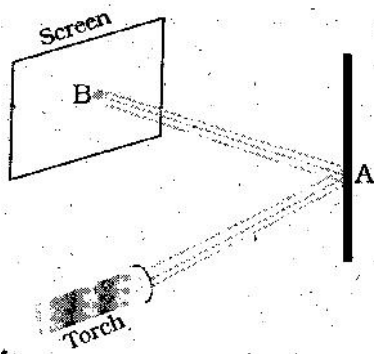
‘The World of Turtles and Crocodiles’ by Das and Whitaker

24. The most threatened of Indian crocodiles is :
 (A) Gharial (B) Saltwater crocodile
 (C) Mugger (D) Tilapia
25. Tribals kill crocodiles because :
 (A) They are a threat to the lives of the tribals
 (B) The tribals supplement their diet with the eggs
 (C) They need to clean the rivers
 (D) They made products of crocodile skin
26. Given below are names of some animals:
 (i) Goat (ii) Human beings
 (iii) Cockroach (iv) Eagle
 Which of the above animals form a pair of omnivores?
 (A) (i) and (ii) (B) (ii) and (iii)
 (C) (iii) and (iv) (D) (ii) and (iv)
27. Honeybee makes honey from
 (A) pollen (B) petals
 (C) nectar (D) bub
28. Which one of the following food item does not provide dietary fibre?
 (A) Whole grains (B) Whole pulses
 (C) Fruits and vegetables (D) Milk
29. Which of the following sources of protein is different from others?
 (A) Peas
 (B) Gram
 (C) Soyabeans
 (D) Cottage cheese (paneer)
30. Priya wants to present her friend a gift made of plant-fibre. Which out of the following will she select?
 (A) Jute bag (B) Woollen shawl
 (C) Silk saree (D) Nylon scarf
31. An iron nail is kept in each of the following liquids. In which case would it lose its shine and appear dull?
 (A) Mustard oil (B) Soft drink
 (C) Coconut oil (D) Kerosene
32. Priya brought some vegetables such as french beans, lady s finger, green chillies, brinjals and potatoes all mixed in a bag. Which of the following methods of separation would be most appropriate for her to separate them?
 (A) Winnowing (B) Sieving
 (C) Threshing (D) Hand picking

iQuest
 An Initiative by IITians

Space for Rough work

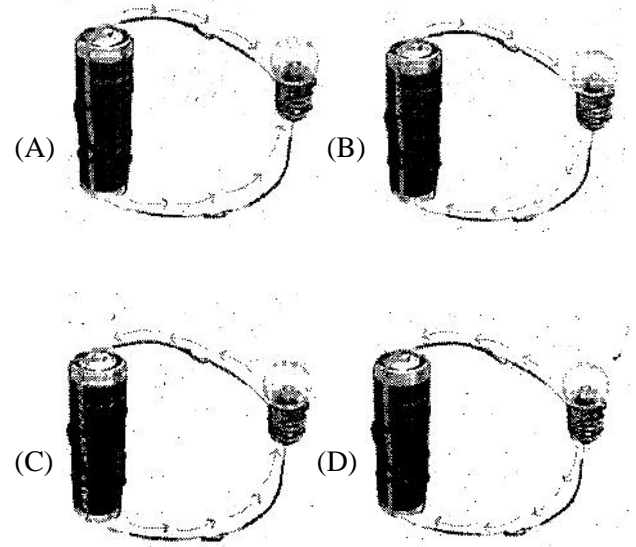
33. Pick the change that can be reversed from the following
 (A) Cutting of trees (B) Melting of ghee
 (C) Burning of candle (D) Blooming of flower
34. Which of the following combination of features would you observe in grass?
 (A) Parallel venation and fibrous root
 (B) Parallel venation and tap root
 (C) Reticulate venation and fibrous root
 (D) Reticulate venation and tap root
35. Which of the following parts of body help us in movement?
 (i) Bones (ii) Skin
 (iii) Muscles (iv) Organs
 Choose the correct answer from the option below.
 (A) (i) and (iii) (B) (ii) and (iv)
 (C) (i) and (iv) (D) (iii) and (ii)
36. Which of the following cannot be called a habitat?
 (A) A desert with camels.
 (B) A pond with fishes.
 (C) A jungle with wild animals
 (D) Cultivated land with grazing cattle.
37. The distance between Delhi and Mumbai is usually expressed in units of
 (A) decametre (B) metre
 (C) centimetre (D) kilometre
38. Observe the picture given in Figure carefully.



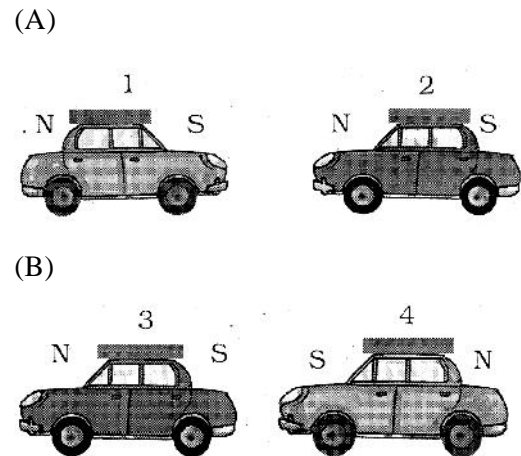
A patch of light is obtained at B, when the torch is lighted as shown. Which of the following is kept at position A to get this patch of light?

- (A) A wooden board (B) A glass sheet
 (C) A mirror
 (D) A sheet of white paper

39. Choose from the options A, B, C and D given in figure the figure which shows the correct direction of current.



40. Observe the picture a and b given in figure carefully.

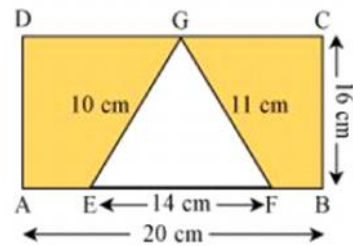


Which of the following statement is correct for the above given pictures?

iQuest
 An Initiative by IITians

Space for Rough work

- (A) In A, cars 1 and 2 will come closer and in B, cars 3 and 4 will come closer.
 (B) In A, cars 1 and 2 will move away from each other and in B, cars 3 and 4 will move away.
 (C) In A, cars 1 and 2 will move away and in B, 3 and 4 will come closer to each other.
 (D) In A, cars 1 and 2 will come closer to each other and in B, 3 and 4 will move away from each other.
41. Which of the following activity does not involve use of water?
 (A) Washing clothes (B) Bathing
 (C) Cleaning utensils (D) Drying wet clothes
42. Which of the following statements is incorrect?
 (A) All living things require air to breathe.
 (B) We can feel air but we cannot see it.
 (C) Moving air makes it possible to fly a kite.
 (D) Air is present everywhere but not in soil.
43. The method of preparing compost with the help of earthworms is called
 (A) composting (B) vermicomposting
 (C) manuring (D) decomposing
44. A girl had three burgers. She ate two burgers and then divided the last burger into four equal parts and ate three of those parts. How many burgers did she eat?
 (A) $\frac{3}{4}$ (B) $\frac{7}{4}$
 (C) $\frac{9}{4}$ (D) $\frac{11}{4}$
45. Rahul scored 96 marks out of 100 marks in a Mathematics test and 79 marks out of 100 marks in a Science test. What is the ratio of total marks obtained by Rahul in both the subjects to that of maximum marks?
 (A) 7:8 (B) 9:10
 (C) 17:20 (D) 33:40
46. What is the successor of the greatest negative integer?
 (A) -1 (B) 0
 (C) 1 (D) 2
47. The area of a playground is 300 m². The length of the playground is 2,000 cm. The width of the playground is
 (A) .15 m (B) 15 m
 (C) .15 cm (D) 15 cm
48. The number of shirts with A is four more than half the number of shirts with B. If A has s shirts, then which of the following expressions gives number of shirts with B?
 (A) $s/2 + 4$ (B) $2(s-4)$
 (C) $4(s-2)$ (D) $s/2 - 4$
49. For a rectangle with integral lengths of sides and 196 m² area, the minimum perimeter is obtained by taking the length of the rectangle as
 (A) 4 m (B) 7 m
 (C) 14 m (D) 28 m
50. The given figure shows a rectangle ABCD such that $\triangle EFG$ has been cut out of the rectangle. The perimeter of the remaining portion of the rectangle is



- (A) 52 cm (B) 75 cm
 (C) 85 cm (D) 79 cm

ANSWER KEY

SECTION - A CALCULATION

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

SECTION - B REASONING

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

SECTION - C COMPREHENSION

-
- | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 21. | (A) | 22. | (B) | 23. | (B) | 24. | (B) | 25. | (B) |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

SECTION - D SCHOLASTIC APTITUDE

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



Space for Rough work