

POTENTIAL EVALUATION TEST - JUNIORS
SAMPLE TEST PAPER

Duration : 60 minutes

Max. Marks: 120

➤ **INSTRUCTIONS :**

- Attempt all questions. There are 30 questions in this question paper based on Logical and Analytical ability.
- Each Objective question has four choices and only one choice is correct.
- Darken the bubble completely on the OMR bubble sheet to indicate the correct answer.
- Darkening more than one bubble is not allowed & will be treated as incorrect.
- **The marking scheme for Objective questions is** : Every correct answer will be given 4 marks. No marks shall be granted or deducted for any incorrect answer or any question which is not attempted. Thus, there is no negative marking in this Question paper.
- Be relaxed and in the present moment while attempting the Test.
- Do not copy or use any aids like calculators, mobile phones or any other electronic devices. Students found doing so will be disqualified.
- Do not talk or disturb other students while giving the Test. This too will lead to disqualification.
- The results of this Test will be communicated to you by telephone within 4 days. You along with your parents will be invited to a Seminar if you clear this Test.

Best of Luck. May God Bless You !

- Q.1** Two men A and B together caught 60 frogs. A caught four times as many as B. How many frogs did B catch ?
- (a) 12 (b) 15 (c) 30 (d) 45
- Q.2** Mohan was born on February 29 in the year 1960. How many birthdays will be celebrated upto 1976 February ?
- (a) 16 (b) 8 (c) 4 (d) 5
- Q.3** I bought a number of books one day, four times of them on the next day, and eight the third day. In all I bought 38 books. How many books did I buy the second day?
- (a) 6 (b) 8 (c) 16 (d) 24
- Q.4** Rita's grades in four tests are 82, 80, 76 and 70. What grade must she get on the fifth test to raise her average to 80?
- (a) 86 (b) 88 (c) 92 (d) 96
- Q.5** If you walk three miles north, then turn back and walk four miles. How far are you from the starting point?
- (a) 5 miles (b) 3 miles (c) 1 mile (d) 7 miles
- Q.6** Which of the fractions below is the largest?
- (a) $\frac{5}{8}$ (b) $\frac{3}{4}$ (c) $\frac{7}{20}$ (d) $\frac{6}{48}$
- Q.7** If the fifth of the month falls two days after Monday, what day of week will be the 19th of the month?
- (a) Tuesday (b) Monday (c) Thursday (d) Wednesday

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- Q.8** X and Y are children of A. A is the father of X but Y is not the son of A. What is Y to A?
- (a) sister (b) brother (c) daughter (d) son
- Q.9** Ram is richer than Shyam but not so rich as Sohan but poorer than Ramesh. Then Shyam is _____
- (a) poorer than Ramesh (b) richer than Sohan
(c) as poor as Sohan (d) richer than Ramesh
- Q.10** Five boys are sitting in a row. A is on the right of B. E is on the left of B but is on the right of C. A is on F the left of D. Who is sitting first from the left? Put a cross mark against the correct answer.
- (a) E (b) C (c) D (d) A
- Q.11** Ram and Shyam are both photographer and artist. Mohan and Shyam are both photographer and dancer, Ram and Vijay are both musician and artist. Vijay and Mohan are both dancer and musician. Name the person who is photographer, artist and musician.
- (a) Ram (b) Shyam (c) Mohan (d) Vijay
- Q.12** Bedi is half as old as Amar. Mohan is twice as old as Amar. How many times is Mohan as old as Bedi?
- (a) 4 (b) 1 (c) $2\frac{1}{2}$ (d) 3
- Q.13** A student divided a number by 2 when he was required to multiply it by 2. The answer he got was 2. The correct answer would have been _____
- (a) 8 (b) 2 (c) 4 (d) 6

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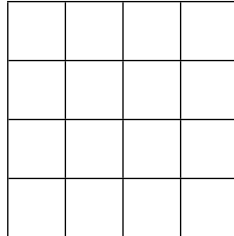
- Q.14** Five books are lying in a pile. E is lying on A and C is lying under B. A is lying above B and D is lying under C. Which book is lying at the bottom?
- (a) A (b) B (c) C (d) D
- Q.15** My mother is twice as old as my brother. I am five years younger than my brother but three years older than my sister. If my sister is twelve years of age, how old is my mother?
- (a) 24 (b) 30 (c) 40 (d) 50
- Q.16** Smallest five digit number that can be formed by the digits 8, 2, 0, 5, 3 is ____
- (a) 85,320 (b) 02,358 (c) 20,358 (d) 32,085
- Q.17** Replace the letter x in the number $8x516$ by the smallest digit so that the number becomes divisible by 6
- (a) 4 (b) 2 (c) 7 (d) 1
- Q.18** In prime factorization of 2000 how many 5's are there ____
- (a) 4 (b) 3 (c) 7 (d) 2
- Q.19** My age is two years less than twice of my brother. If I am sixteen year old, how old is my brother?
- (a) 7 (b) 9 (c) 10 (d) 14
- Q.20** What will be the angle between the minute and hour hands of a clock at 24 minutes past one 'O' clock?
- (a) 92° (b) 102° (c) 84° (d) 72°

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Q.21 A cube of each side 4 cm is painted blue on all sides. It is then cut into small cubes of each side 1 cm. How many cubes will have only one face painted?

- (a) 18 (b) 8 (c) 16 (d) 24

Q.22 The number of squares in the below figure is _____

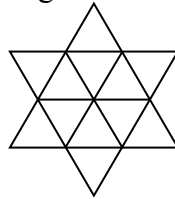


- (a) 21 (b) 17 (c) 25 (d) 30

Q.23 I was born on August 11. Arvind is younger to me by eleven days. This year Independence Day falls on Monday. On which day will Arvind's birthday fall?

- (a) Sunday (b) Monday (c) Tuesday (d) Wednesday

Q.24 Number of triangles in the below figure is –



- (a) 18 (b) 20 (c) 22 (d) 24

Q.25 Choose the odd one out.

- (a) 9 (b) 81 (c) 315 (d) 661

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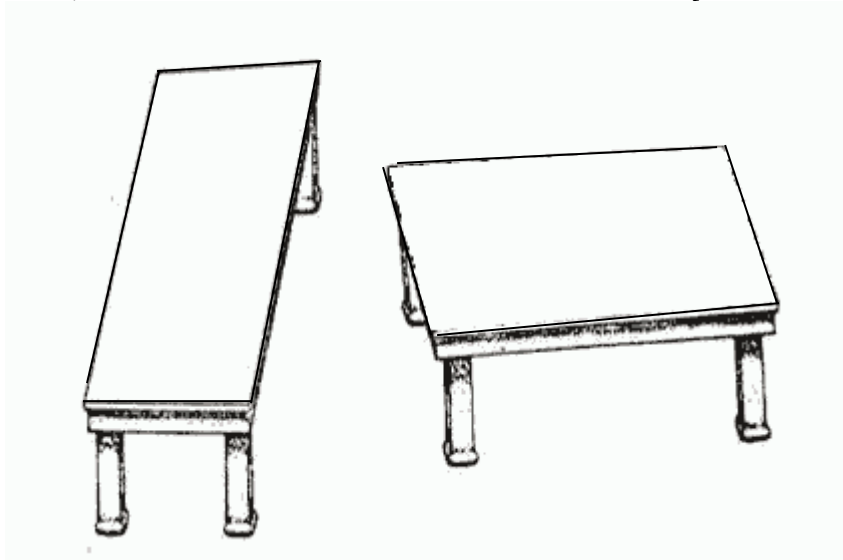
- Q.26** The sum of two consecutive numbers is 55. What is the larger number?
(a) 25 (b) 26 (c) 27 (d) 28
- Q.27** I go north and then turn right, then right again and then left. In which direction, I am going now?
(a) East (b) West (c) North (d) South
- Q.28** Five friends are sitting in a circle. Raja is directly opposite to Sita. Mohan is in the exact middle of Raja and Gopal. Rita is directly opposite to Mohan. This means Rita is sitting between _____
(a) Raja and Mohan (b) Mohan and Gopal
(c) Gopal and Sita (d) Sita and Raja
- Q.29** A mobile number has 10 digits. How many mobile numbers exist starting with the numbers 98765***** ?
(a) 100000 (b) 1000 (c) 10000 (d) 100
- Q.30** A cubical dice is rolled in a board game of snakes and ladders. What is the chance that the number 6 shall appear on the dice ?
(a) $1/2$ (b) $1/3$ (c) $1/4$ (d) $1/6$

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FUN SECTION :

**This is an interesting optical illusion. Look at the two tables below.
Can you believe that both tables are of the same sizes ?
If not, measure the dimensions with a ruler & verify !!!**



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