IITians Prashikshan Kendra Pvt. Ltd.

Resonance of Brilliant Minds…!!!

POTENTIAL EVALUATION TEST SENIORS -SAMPLE TEST PAPER

Admissions Test for 1-year PRODIGY SENIORS 2018 Program

of IITian'sPrashikshanKendra

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.
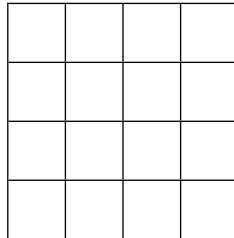
Best of Luck. May God Bless You !

Q.1 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.2 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

Q.3 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.4 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.5 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.6 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?
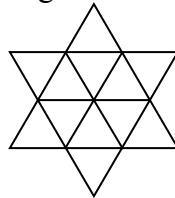
(a) 24 (b) 30 (c) 40 (d) 50

SPACE FOR ROUGH WORK

Q.7 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.8 The number of squares in the below figure is_____

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

Q.9 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

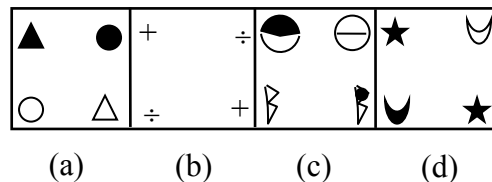**Q.10** Number of triangles in the below figure is –

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

Q.11 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

SPACE FOR ROUGH WORK

Q.12 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.13 The population of a city is X in 1991. It becomes 3 times every 10 years. The population of this city in the year 2011 will be ____

   (a) 3X   (b) X   (c) 9X   (d) 10X

Q.14 5Kg of adulterated rice has 2% stones in it and the rest in rice. Half of the stone content was removed. Now, the percentage of stone content in it is ____

   (a) 0.99%   (b) 1%   (c) 1.1%   (d) 1.01%

Q.15 In a tennis tournament, each of six players will play with every other player exactly once. How many matches will be played during the tournament?

   (a) 12   (b) 30   (c) 36   (d)15

Q.16 A monkey is trying to reach the top of a pole which is 30 metres high from the ground. After climbing every 4 metres it slips down 2 metres. How many attempts will it take to reach the top of the pole?

   (a) 14   (b) 15   (c) 17   (d) 16

Q.17 Latha has the same number of sisters as she has brothers; but her brother Shyam has twice as many sisters as he has brothers. How many children are there in the family?

   (a) 7   (b) 6   (c) 5   (d) 8

Q.18 In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 75 questions and scores 125 marks, how many questions did he answer correctly?

   (a) 35   (b) 42   (c) 46   (d) 40

SPACE FOR ROUGH WORK

Q.19 A bird shooter was asked how many birds he had in the bag. He replied that there were all sparrows but six, all pigeons but six, and all ducks but six. How many birds did he have in all?

(a) 9   (b) 18   (c) 27   (d) 19

Q.20 A box contains four small boxes. Each of the four boxes contains three smaller boxes, in each box there are two boxes. How many boxes are there altogether?

(a) 39   (b) 40   (c) 42   (d) 41

Q.21 Pointing to a lady in the photograph, Manish said, *"She is the daughter of my Grandfather's only son. "*How is Manish related to that lady?

(a) Father   (b) Uncle   (c) Brother   (d) Nephew

Q.22 Pointing to his son's portrait, Ramesh said to a woman; *"His mother is the only daughter of your mother."* How was the woman related to Ramesh?

(a) Wife   (b) Sister   (c) Aunt   (d) Niece

Q.23 **Directions : -** Four figures are given. Out of these, three are alike in a certain way but the rest one is different. Choose the one which is different from the rest three.

    (a)   (b)   (c)   (d)

Q.24 My age is two years less than twice of my brother. If I am sixteen year old, how old is my brother?

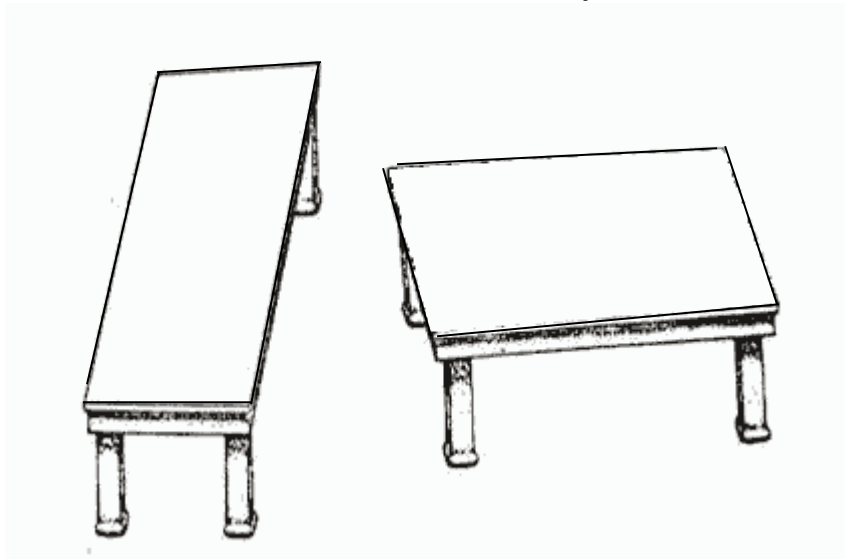(a) 7   (b) 9   (c) 10   (d) 14

SPACE FOR ROUGH WORK

Q.25 Bedi is half as old as Amar. Mohan is twice as old as Amar. How many times is Mohan as old as Bedi?

(a) ¼   (b) 1   (c) 2 ½   (d) 4

Q.26 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) ½   (b) 2   (c) 8   (d) 6

Q.27 Five students are sitting in a row. T is on the right of Z. M is on the left of Z. But is on the right at L.T. is on the left of Q. Who is sitting first from left?

(a) Z   (b) T   (c) Q   (d) L

Q.28 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.29 Republic day in 1988 was on Tuesday. What was Independence day in 1990?

(a) Monday   (b) Wednesday   (c) Friday   (d) Sunday.

Q.30 2nd October 1992 is Friday, what was 17th July 1990?

(a) Tuesday   (b) Wednesday   (c) Thursday   (d) Friday.

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SPACE FOR ROUGH WORK

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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