



# TARA INSTITUTE

34-F, FIRST FLOOR, NEAR PNB, DEVLI MORE, KHANPUR-110062  
Ph.: 011-32029600, 9999736252, Web Sites : www.tarainstitute.com

### This test covers

**Quant:** Time & Work, Average, Partnership and Numerical Aptitude

**English:** Noun, Numbers, Article and Vocab

**Reasoning:** Blood Relation, Alphabet, Analogy

NAME: \_\_\_\_\_

MARKS OBTAINED : \_\_\_\_\_

EXAM CENTRE. : \_\_\_\_\_

REMARKS : \_\_\_\_\_

Time Allowed: 60 Minutes

Maximum Marks: 60

- Sunil and Pradeep can complete a work in 5 days and 15 days respectively. They both work for one day and then Sunil leaves. In how many days in the remaining work completed by Pradeep ?  
(a) 11 days (b) 12 days  
(c) 15 days (d) 8 days  
(e) None of these
- Suresh can finish a piece of work by himself in 42 days. Mahesh, who is  $\frac{1}{5}$  times more efficient as Suresh, requires X days to finish the work by working all by himself. Then what is the value of X ?  
(a) 25 days (b) 30 days  
(c) 35 days (d) 20 days
- Ganpat, Yogesh and Bhagwat can do a job in 15, 20 and 30 days respectively. In how many days can the job be finished if they work together ?  
(a)  $20/3$  days. (b)  $10/3$  days  
(c)  $11/3$  days (d)  $16/3$  days  
(e) None of these
- If 12 men or 15 women or 18 boys can do a piece of work in 15 days of 8 hours each, find how many men assisted by 5 women and 6 boys will finish the same work in 16 days of 9 hours each.  
(a) 6 men (b) 2 men  
(c) 8 men (d) 4 men  
(e) None of these
- If 6 BSF or 10 CRPF companies can demolish a terrorist outfit in Kashmir in 2 days, find how long will 4 BSF and 9 CRPF companies take to do the same ?  
(a) 1.27 days (b) 2.27 days  
(c) 3.27 days (d) 4.27 days  
(e) None of these
- If a family of 9 men in Indore spends ₹ 16380 in a year, what must be the expenses of 8 men in Calcutta who live in the same style for 7 months, assuming that the prices at Calcutta are  $3/5$ th of what they are in Indore ?  
(a) ₹ 5096 (b) ₹ 5460  
(c) ₹ 4879 (d) ₹ 5224
- 10 horses and 15 cows eat grass of 5 acres in a certain time. How many acres will feed 15 horses and 10 cows for the same time, supposing a horse eats as much as 2 cows ?  
(a)  $40/7$  acres (b)  $39/8$  acres  
(c)  $40/11$  acres (d)  $25/9$  acres  
(e) None of these
- The work done by a man, a woman and a child is in the ratio of 3 : 2 : 1. There are 20 men, 30 women and 36 children in a factory. Their weekly wages amount to Rs. 780, which is divided in the ratio of work done by the men, women and children. What will be the wages of 15 men, 21 women and 30 children for 2 weeks?  
(a) ₹ 585 (b) ₹ 292.5  
(c) ₹ 1170 (d) ₹ 900  
(e) None of these

9. 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy to the work ?
- (a)  $12\frac{1}{2}$  days                      (b)  $11\frac{1}{2}$  days
- (c)  $15\frac{1}{2}$  days                      (d)  $13\frac{1}{2}$  days
- (e) None of these
10. A, B and C working together completed a job in 10 days. However, C only worked for the first three days when  $\frac{3}{100}$  of the job was done. Also, the work done by A in 5 days is equal to the work done by B in 4 days. How many days would be required by the fastest worker to complete the entire work?
- (a) 25 days                      (b) 20 days
- (c) 30days                      (d) 40days
- (e) None of these
11. Rahul started a business with a capital of ₹ 8,000. After six months, Sanjay joined him with an investment of some capital. If at the end of the year each of them gets equal amount as profit, how much did Sanjay invest in the business?
- (a) ₹ 16,000                      (b) ₹ 17,500
- (c) ₹ 18,000                      (d) ₹ 16,500
- (e) None of these
12. Three partners altogether invested ₹ 1,14,000 in a business. At the end of the year, one got ₹ 337.50, the second got ₹ 1,125.00 and the third, ₹ 675 as profit. What is the percentage of profit ?
- (a) 5.8%                      (b) 4.8%
- (c) 1.8 %                      (d) 3.8%
- (e) None of these
13. Nirmal and Kapil started a business investing ₹ 9,000 and ₹ 12,000 respectively. After 6 months, Kapil withdrew half of his investment. If after a year, the total profit was ₹ 4,600, what was Kapil's share in it?
- (a) ₹ 2, 000                      (b) ₹ 2, 600
- (c) ₹ 1900                      (d) ₹ 2,300
- (e) None of these
14. Three men A, B and C together subscribe ₹ 4700 for a business. A puts in ₹ 700 more than B and B puts in ₹ 500 more than C. How much B will receive out of a total profit of ₹ 4230?
- (a) ₹ 1560                      (b) ₹ 1350
- (c) ₹ 1100                      (d) ₹ 1475
- (e) None of these
15. A and B are partners in a business. A contributes  $\frac{1}{4}$  of the capital for 15 months and B received  $\frac{2}{3}$  of the profit. For how long B's money was used?
- (a) 6 months                      (b) 9 months
- (c) 10 months                      (d) 1 year
- (e) None of these
16. The average age of 36 students in a group is 14 years. When teacher's age is included to it, the average increases by one. What is the teacher's age in years?
- (a) 31                      (b) 36
- (c) 51                      (d) cannot be determined
17. The average weight of 8 persons increases by 1.5 kg. If a person weighing 65 kg is replaced by a new person, what could be the weight of the new person?
- (a) 76 kg                      (b). 77 kg
- (c) 76.5 kg                      (d) Data inadequate
- (e) None of these
18. N number of persons decide to raise ₹ 3 lakhs by equal contributions from each. If they contributed ₹ 50 each extra, the contribution would be ₹ 3.25 lakhs. How many persons are there?
- (a) 600                      (b) 400
- (c) 450                      (d) Cannot be determined
- (e) None of these
19. The average of the first and the second of three numbers is 15 more than the average of the second and the third of these numbers. What is the difference between the first and the third of these three numbers?
- (a) 15                      (b) 45
- (c) 60                      (d) Data inadequate
- (e) None of these
20. The average of Suresh's marks in English and History is 55. His average of marks in English and Science is 65. What is the difference between the marks which he obtained in History and Science?
- (a) 40                      (b) 60
- (c) 20                      (d) Data inadequate
- (e) None of the above



**Directions (Qs. 21-30):** What value should come in place of the question mark (?) in the following questions ?

21.  $\frac{3}{8} \times \frac{4}{7} \times ? = 5376$   
 (a) 30912 (b) 25144  
 (c) 24808 (d) 25088  
 (e) None of these
22.  $[(9)^3 \times (?)^2] \div 21 = 1701$   
 (a) 6 (b) 3  
 (c) 11 (d) 4  
 (e) None of these
23.  $897214 - 336 - 46521 - 1249 - 632176 = ?$   
 (a) 217832 (b) 216725  
 (c) 216932 (d) 315950  
 (e) None of these
24.  $\sqrt{11881} \times \sqrt{?} = 10137$   
 (a) 8649 (b) 9216  
 (c) 8281 (d) 9409  
 (e) None of these
25.  $3.5 \times 2.4 \times ? = 42$   
 (a) 1.5 (b) 0.2  
 (c) 0.8 (d) 1.2  
 (e) None of these
26.  $\sqrt[3]{804357} = ?$   
 (a) 98 (b) 89  
 (c) 96 (d) 93  
 (e) None of these
27.  $\sqrt{?} \div 16 \times 24 = 186$   
 (a) 14884 (b) 13924  
 (c) 15376 (d) 15876  
 (e) None of these
28.  $(?)^2 \div (0.04)^2 \times 5.6 = 117740$   
 (a) 33.64 (b) 6.2  
 (c) 38.44 (d) 5.4  
 (e) None of these
29.  $9418 - ? + 1436 + 2156 = 5658$   
 (a) 7523 (b) 7352  
 (c) 7232 (d) 7325  
 (e) None of these
30.  $9865 + ? + 3174 + 2257 = 19425$   
 (a) 4047 (b) 4136  
 (c) 4129 (d) 4092  
 (e) None of these

**Directions (Qs. 31-35):** are based on the following statements.

- (i) Seeta, Rajinder and Surinder are children of Mr. and Mrs. Maudgil.  
 (ii) Renu, Raja and Sunil are children of Mr. and Mrs. Bhaskar.  
 (iii) Sunil and Seeta are married and Ashok and Sanjay are their children.  
 (iv) Geeta and Rakesh are children of Mr. and Mrs. Jain.  
 (v) Geeta is married to Surinder and has three children named Rita, Sonu and Raju.

**Read above statements carefully and answer the following questions :**

31. How is Rajinder related to Raju?  
 (a) Brother (b) Uncle  
 (c) Brother-in-law (d) Cousin
32. How is Rajinder related to Ashok?  
 (a) Brother-in-law (b) Father-in-law  
 (c) Cousin (d) Maternal Uncle
33. How is Rakesh related to Surinder?  
 (a) Brother (b) Cousin  
 (c) Brother-in-law (d) Maternal uncle
34. How is Rakesh related to Rita?  
 (a) Brother (b) Cousin  
 (c) Uncle (d) Maternal uncle
35. Sunil and Rakesh are related as  
 (a) Brothers (b) Cousins  
 (c) Uncle and Cousin (d) Brother-in-law

**Directions (Qs. 36-40):** Study the following arrangement carefully and answer the question given below:

H 9 3 P \$ K E % 4 F R 1 U @ W G 2 M I 5 B Q Z 6 ©  
 H N 8 8 V J

36. If all the symbols and numbers are dropped from the above arrangement, which of the following will be the fourteenth from the right end?  
 (a) M (b) K  
 (c) W (d) E  
 (e) None of these
37. What should come in place of the question mark (?) in the following series based on the above arrangement?  
 PK% RUW M5Q?  
 (a) ©N8 (b) ©Nδ  
 (c) 6 H δ (d) 6H8  
 (e) None of these



38. How many such numbers are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol?
- (a) None (b) One  
(c) Two (d) Three  
(e) More than three
39. Which of the following is the seventh to the left of the twentieth from the left end of the above arrangement?
- (a) U (b) S  
(c) @ (d) N  
(e) None of these
40. How many such consonants are there in the above arrangement each of which is immediately followed by a number but not immediately preceded by a number?
- (a) None (b) One  
(c) Two (d) Three  
(e) More than three

**Directions (Qs. 41 - 45):** In each of the following questions, there are two words / set of letters / numbers to the left of the sign :: which are connected in some way. The same relationship obtains between the third words / set of letters / numbers and one of the four alternatives under it. Find the correct alternative in each question.

41. Teeth : Chew :: ...? ... : ...? ...
- (a) Mind : Think (b) Sweater : Heat  
(c) Food : Taste (d) Eyes : Flicker  
(e) None of these
42. Eyes : Tears :: ...? ... : ...? ...
- (a) Sea : Water (b) Volcano : Lava  
(c) Heart : Artery (d) Hunger : Bread  
(e) None of these
43. Lawn : Grass :: ...? ... : ...? ...
- (a) Wool : Sheep (b) Skin : Goat  
(c) Pelt : Fur (d) Rice : Farm  
(e) None of these
44. Telephone : Ring :: ...? ... : ...? ...
- (a) Door : knock (b) Gate : open  
(c) Door : wood (d) Lock : key  
(e) None of these
45. Always : Never :: ...? ... : ...? ...
- (a) Often : Rarely  
(b) Frequently : Normally  
(c) Constantly : Frequently  
(d) Intermittently : Casually  
(e) None of these

**Directions (Qs. 46 - 55):** A sentence has been broken into 4 parts, (a), (b), (c) and (d). Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'e'. (Ignore the errors of punctuation, if any).

46. (a) It does not matter how you do it;  
(b) what I want is that  
(c) you should finish the work within a month.  
(d) No error.
47. (a) While walking slowly in the park  
(b) on a quiet summer afternoon  
(c) a mad dog suddenly attacked him from behind.  
(d) No error.
48. (a) Many health-conscious people  
(b) prefer margarine  
(c) than butter.  
(d) No error.
49. (a) At present juncture  
(b) however, the supercomputer  
(c) would be a costly toy.  
(d) No error.
50. (a) Troy was taken by Greeks  
(b) this formed the basis of a story  
(c) which has become famous.  
(d) No error.
51. (a) The method suggested in the lecture  
(b) enables a student to learn more quickly  
(c) and to have remembered for a longer period of time.  
(d) No error.
52. (a) The test will not need  
(b) more than one and half hour  
(c) to finish.  
(d) No error.
53. (a) His father died of cholera  
(b) but his mother also,  
(c) though very weak, is out of danger.  
(d) No error.



54. (a) I am thinking of  
(b) to go to Agra  
(c) for my cousin's marriage.  
(d) No error.
55. (a) Neeraj said  
(b) that he would rather fail than copying  
(c) in the examination.  
(d) No error.
- Directions (Qs. 56 - 60):** In each question below, a sentence with four words printed in bold type is given. These are lettered as (a), (b), (c) and (d). One of these four words printed in bold may be either *wrongly spelt* or *inappropriate* in the context of the sentence. Find out the word which is *wrongly spelt* or *inappropriate*, if any. The letter of that word is your answer. If all the words printed in bold are *correctly spelt and also appropriate in the context of the sentence*, mark (e) i.e. 'All correct' as your answer.
56. I **patently** (a)/ **explained** (b)/ to the customer that it was **not possible** (c)/ to fulfill his **request** (d)/. All correct (e)
57. Imported items are **costlier** (a) than **there** (b) **domestic** (c) **counterparts** (d). No error (e)
58. **Although** (a) I was paid **significant1y** (b) low, I found my salary to be **insufficient** (c) or rather **in adequate** (d). No error (e)
59. An **exorbitantly** (a) rigid attitude may **prove** (b) very **dangerous** (c), even **fatal** (d) No error (e).
60. There is hardly any **resemblence** (a) between the **faces** of (b) the so-called **identical** (c) **twins** (d). No error (e)

TARA INSTITUTE



**ANSWERS**

1 (a)	2 (c)	3 (a)	4 (b)	5 (a)	6 (a)	7 (a)	8 (c)
9 (a)	10 (b)	11 (a)	12 (c)	13 (d)	14 (b)	15 (c)	16 (c)
17 (b)	18 (e)	19 (e)	20 (c)	21 (d)	22 (e)	23 (c)	24 (a)
25 (e)	26 (d)	27 (c)	28 (e)	29 (b)	30 (c)	31 (b)	32 (d)
33 (c)	34 (d)	35 (d)	36 (d)	37 (a)	38 (b)	39 (a)	40 (e)
41 (a)	42 (b)	43 (c)	44 (a)	45 (a)	46 (b)	47 (a)	48 (c)
49 (a)	50 (a)	51 (c)	52 (b)	53 (b)	54 (b)	55 (b)	56. (a)
57 (b)	58. (a)	59. (a)	60. (a)				

TARA INSTITUTE

