



# TARA INSTITUTE

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## TEST T1-1

**Time Allowed: 60 MINUTES**

**Maximum Marks: 60**

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

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

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

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

### QUANTITATIVE APTITUDE

1. If the fractions  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{5}{9}$ ,  $\frac{6}{13}$ , and  $\frac{7}{9}$  are arranged in ascending order of their values, which one will be the fourth ?

- (a)  $\frac{2}{3}$                       (b)  $\frac{6}{13}$   
(c)  $\frac{5}{9}$                       (d)  $\frac{7}{9}$   
(e) None of these

2. If the following fractions  $\frac{7}{8}$ ,  $\frac{4}{5}$ ,  $\frac{8}{14}$ ,  $\frac{3}{5}$  and  $\frac{5}{6}$  are arranged in descending order which will be the last in the series?

- (a)  $\frac{8}{14}$                       (b)  $\frac{7}{8}$   
(c)  $\frac{4}{5}$                       (d)  $\frac{3}{5}$   
(e)  $\frac{5}{6}$

3. What is the remainder when  $4^9$  is divided by 6?

- (a) 0                          (b) 2  
(c) 3                          (d) 4  
(e) None of these

4. The remainder when  $7^{84}$  is divided by 342 is :

- (a) 0                          (b) 1  
(c) 21                        (d) 340  
(e) None of these

**Directions(Qs. 5-20) :** What value should come in place of the question mark (?) in the following questions ?

5.  $12.8 \times 2.5 + 8.6 = ?$

- (a) 41.3                      (b) 39.6  
(c) 40.6                      (d) 142.08  
(e) None of these

6.  $(14^2 - 13^2) \div 3 = ?^2$

- (a) 9                          (b) 3  
(c) 27                        (d) 6  
(e) None of these

7.  $(19)^{12} \times (19)^8 \div (19)^4 = (19) ?$

- (a) 24                        (b) 8  
(c) 6                          (d) 12  
(e) None of these

8.  $70.56 \div 11.2 = ?$

- (a) 63                        (b) 6.3  
(c) 7.72                      (d) 0.53  
(e) None of these

9.  $986.23 + 7.952 + 8176.158 = ?$

- (a) 9170.340                (b) 9169.230  
(c) 9241.908                (d) 9170.762  
(e) None of these

10.  $205 \times ? \times 13 = 33625 + 25005$

- (a) 22                        (b) 27  
(c) 33                        (d) 39  
(e) None of these

11.  $(10)^{24} \times (10)^{-21} = ?$

- (a) 3 (b) 10  
(c) 100 (d) 1000  
(e) None of these

12.  $78 \div 5 \div 0.5 = ?$

- (a) 15.6 (b) 31.2  
(c) 7.8 (d) 0.4  
(e) None of these

13.  $12.22 + 22.21 + 221.12 = ?$

- (a) 250.55 (b) 255.50  
(c) 250.05 (d) 255.05  
(e) None of these

14.  $12^4 \times 12^{13} = ?$

- (a)  $12^7$  (b)  $12^{39}$   
(c)  $12^{17}$  (d)  $12^{-7}$   
(e) None of these

15.  $464 \div (16 \times 2.32) = ?$

- (a) 12.5 (b) 14.5  
(c) 10.5 (d) 8.5  
(e) None of these

16.  $\frac{3}{5}$  of  $\frac{4}{7}$  of  $\frac{5}{9}$  of  $\frac{21}{24}$  of 504 = ?

- (a) 63 (b) 69  
(c) 96 (d) None of these

17.  $\frac{(243)^{0.13} \times (243)^{0.07}}{(7)^{0.25} \times (49)^{0.075} \times (343)^{0.2}} = ?$

- (a)  $\frac{3}{7}$  (b)  $\frac{7}{8}$   
(c)  $1\frac{3}{7}$  (d)  $2\frac{2}{7}$   
(e) None of these

18.  $(17)^{3.5} \times (17)^? = 17^8$

- (a) 2.29 (b) 2.75  
(c) 4.25 (d) 4.5

19.  $894 \div 28 \times \sqrt{589} = ?$

- (a) 700 (b) 686  
(c) 796 (d) 775  
(e) 754

20.  $4275 \div 496 \times (21)^2 = ?$

- (a) 3795 (b) 3800  
(c) 3810 (d) 3875  
(e) 3995

**Directions(Qs. 21-25) :** What approximate value should come in place of the question mark (?) in the following questions.

21.  $628.306 + 6.1325 \times 44.0268 = ?$

- (a) 820 (b) 970  
(c) 1050 (d) 1175  
(e) 900

22.  $1896 \div 29 + 445 = ?$

- (a) 485 (b) 510  
(c) 528 (d) 493  
(e) 536

23.  $(9795 + 7621 + 938) \div (541 + 831 + 496) = ?$

- (a) 9 (b) 13  
(c) 17 (d) 23  
(e) 29

24.  $814296 \times 36 = ? \times 96324$

- (a) 326 (b) 272  
(c) 304 (d) 358  
(e) 260

25.  $0.99 \times 1000 \times 14 \div 11 \div 0.7 = ?$

- (a) 18 (b) 180  
(c) 1.8 (d) 1800  
(e) None of these



## REASONING ABILITY

26. How many such pairs of letters are there in the word PRODUCTION each of which has as many letters between them in the word as in the English alphabet?  
 (a) None (b) One  
 (c) Two (d) Three  
 (e) More than three
27. How many such pairs of letters are there in the word ORIENTAL each of which has as many letters between them in the word as in the English alphabet?  
 (a) None (b) One  
 (c) Two (d) Three  
 (e) More than three
28. In the word 'PRESENCE', how many such pairs of letters are there as have as many letters between its units in the word as there are in the English alphabet?  
 (a) One (b) Two  
 (c) Three (d) Four  
 (e) None of these
29. If it is possible to make only one meaningful English word from the sixth, the fifth, the twelfth and the fourth letters of the word IMAGINATIONS, using each letter only once, the second letter of that word is your answer. If no such word can be made mark 'X' as your answer, and if more than one such word can be formed mark 'M' as your answer.  
 (a) I (b) N (c) S (d) X (e) M
30. If it is possible to make a meaningful word with the third, the fifth, the sixth and the eleventh letters of the word MERCHANDISE, using each letter only once, which of the following will be the third letter of that word? If no such word can be formed, give 'X' as answer and if more than one such word can be formed, mark 'T' as answer.  
 (a) H (b) E  
 (c) R (d) X  
 (e) T
31. If NOR is coded as 2-3-6, then how should REST be coded in the same code language ?  
 (a) 6-19-6-7 (b) 5-19-5-8  
 (c) 6-19-5-6 (d) 6-18-5-8  
 (e) None of these
32. If CLOCK is coded as 34235 and TIME as 8679, what will be the code for MOLEK?  
 (a) 62495 (b) 62945  
 (c) 72495 (d) 72945  
 (e) None of these
33. If Z = 52 and ACT is equal to 48, then BAT will be equal to :  
 (a) 39 (b) 41  
 (c) 44 (d) 46  
 (e) None of these
34. In a certain code, 15789 is written as EGKPT and 2346 is written as ALUR. How is 23549 written in that code ?  
 (a) ALEUT (b) ALGTU  
 (c) ALGUT (d) ALGRT  
 (e) None of these
35. In a certain code OVER is written as \$#%\* and VIST is written in that code ?  
 (a) x\$\*% (b) %x\$\*  
 (c) x\*\$% (d) %x\$#  
 (e) None of these

**Directions (Qs.36-40) :** In each of these questions a group of letters is given followed by four combinations of numbers codes lettered (a), (b), (c) and (d). The group of letters is to be coded with the numbers codes and the condition given below. The 'serial number of the number combination'. Which correctly represents the letter group, is your answer.

Letters	D	J	K	Q	H	V	N	E	B	A
Numbers Codes	3	9	7	6	4	8	2	1	5	0

**Conditions :**

If the first or the last letter or both in the letter group is /are a vowel then the same is/are to be coded by symbol #.

36. EHNDJV  
 (a) #42389 (b) 142398  
 (c) #42398 (d) 14239#  
 (e) None of these



37. KQDJNH  
 (a) 763942 (b) 736924  
 (c) #36924 (d) #63924  
 (e) None of these
38. AJNVQE  
 (a) #9286# (b) 09286#  
 (c) #92861 (d) 092861  
 (e) None of these
39. QHJVND  
 (a) 648923 (b) 649823  
 (c) #49823 (d) 64892#  
 (e) None of these
40. JKEDHA  
 (a) 97#34# (b) 971340  
 (c) 971430 (d) 97134#  
 (e) None of these

## ENGLISH LANGUAGE

41. Is she purchasing it for \_\_\_ fitness club to join so she becomes lean?  
 (a) a (b) an  
 (c) the (d) no article is needed
42. Buy cleverly or you could end up choosing \_\_\_ wrong club and losing more money than pounds.  
 (a) a (b) an  
 (c) the (d) no article is needed
43. You may find out too late that \_\_\_ fitness clubs aren't for you.  
 (a) a (b) an  
 (c) the (d) no article is needed
44. \_\_\_ Ostrich is a native of South Africa.  
 (a) a (b) an  
 (c) the (d) no article is needed
45. I \_\_\_ Ostrich in my garden.  
 (a) a (b) an  
 (c) the (d) no article is needed
46. I saw \_\_\_ orange for my breakfast.  
 (a) a (b) an  
 (c) the (d) no article is needed
47. I have recently bought \_ flat.  
 (a) a (b) an  
 (c) the (d) no article is needed
48. You may be in \_\_\_ market for a full-service health club; then, make sure it offers lots of activities.  
 (a) a (b) an  
 (c) the (d) no article is needed
49. \_\_\_ Ganges is considered to be a holy river for Indians.  
 (a) a (b) an  
 (c) the (d) no article is needed
50. They should be educated in physical education or certified by \_\_\_ organization such as the American Council on exercise.  
 (a) a (b) an  
 (c) the (d) no article is needed



**COMPUTER KNOWLEDGE**

51. Something which has easily understood instructions is said to be
- (a) information                      (b) word processing  
(c) user friendly                      (d) icon  
(e) None of these
52. Which device is used to access your computer by other computer or for talk over phone?
- (a) RAM                                  (b) CD ROM Drive  
(c) Modem                                  (d) Hard Drive  
(e) None of these
53. Most World Wide Web pages contain commands in the language
- (a) NIH                                      (b) URL  
(c) HTML                                      (d) IRC  
(e) FTP
54. A compiler translates higher-level programs into a machine language program, which is called
- (a) source code                      (b) object code  
(c) compiled code                      (d) beta code  
(e) None of these
55. Which is the best definition of a software package?
- (a) An add-on for your computer such as additional memory  
(b) A set of computer programs used for a certain function such as word processing  
(c) A protection you can buy for a computer  
(d) The box, manual and licence agreement that accompany commercial software  
(e) None of the above
56. Microcomputer hardware consists of three basic categories of physical equipment
- (a) keyboard, monitor, hard drive,  
(b) system unit, input/output, memory  
(c) system unit, input/output, secondary storage  
(d) system unit, primary storage, secondary storage  
(e) None of these
57. The most popular internet activity is
- (a) downloading music  
(b) watching movie trailers  
(c) shopping for books  
(d) e-mailing  
(e) None of these
58. A \_\_\_\_\_ contains buttons and menus that provide quick access to commonly used commands.
- (a) toolbar                                  (b) menu bar  
(c) window                                  (d) find  
(e) None of these
59. What is the name for the process that is used to convert a series of instructions, or program, written in a high-level language into instructions (or a program) that can be run on a computer?
- (a) Assembling                      (b) Compiling  
(c) Translating                      (d) Uploading  
(e) None of the above
60. \_\_\_\_\_, a printed information, exists in real sense and is more permanent than the output existing on display device
- (a) Soft copy                                  (b) Carbon copy  
(c) Hard copy                                  (d) Desk copy  
(e) None of these



**ANSWERS**

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

