

NTSE Practice Paper -19
Scholastic Aptitude Test (Mental Ability Test)

(Questions 1-10)

Instruction for Q. No. 1 to 5: In each of the following questions, four groups of letters are given. Three of them are alike in some manner, while one is different. Find the odd-man-out and mark it on your answer-sheet as directed.

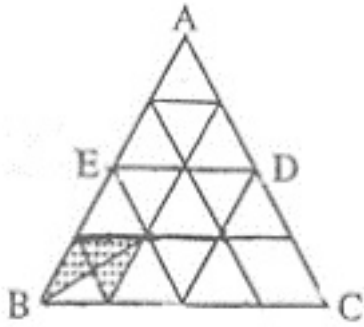
1. a. ARYQB
b. CTZSD
c. EVYUF
d. GVZWE (**Ans.**)
2. a. AJNAUO
b. BTMLAE
c. DNLUEO (**Ans.**)
d. CEKAIO
3. a. IRAJS
b. BKTCL
c. UCGNX (**Ans.**)
d. UDMVE
4. a. XECSQ (**Ans.**)
b. GNUBI
c. PWDKR
d. YFMTA
5. a. FKRXD
b. ECGSY (**Ans.**)
c. JPVBH
d. NTZFL

Instruction for Q. No. 6 to 10: In each of the following questions, group of numbers are given. They are alike in some manner, while one number is wrong. Find out the odd-man-out and mark it on your answer-sheet as directed.

6. 8,14,26,48,98,194,386

- a. 48 **(Ans.)**
 - b. 386
 - c. 8
 - d. 194
7. 3,10,27,4,16,64,5,25,125
- a. 10
 - b. 16
 - c. 27 **(Ans.)**
 - d. 5
8. 529,361,289,171,121,49
- a. 361
 - b. 49
 - c. 171 **(Ans.)**
 - d. 529
9. 336,210,120,62,24,6,0
- a. 62 **(Ans.)**
 - b. 6
 - c. 210
 - d. 24
10. 3,28,9,13,22,18,32,23,42
- a. 3
 - b. 18
 - c. 9
 - d. 42

Instruction for Q. No. 11 to 15: All the questions given below are based on a figure. All the triangles in the figure are equilateral. The area of the shaded part, in the figure, is equal to 2 square units. Based on these information answer the questions given below.



11. The area of the figure BCDE will be
- 15 square units
 - 14 square units
 - 16 square units **(Ans.)**
 - 16 12square units
12. The area of total figure will be
- $21\frac{1}{2}$ **(Ans.)**
 - 32 square units
 - $10\frac{2}{3}$ square units
 - 36 square units
13. The area of total figure will be
- $9\frac{1}{2}$ square units
 - $10\frac{1}{2}$ square units
 - $10\frac{2}{3}$ square units **(Ans.)**
 - $9\frac{2}{3}$ square units
14. The shaded part of the total area will be
- $\frac{2}{32}$
 - $\frac{2}{24}$
 - $\frac{3}{32}$ **(Ans.)**

d. $\frac{6}{16}$

15. The ratio of the area of the shaded and unshaded part will be

- a. 3:92
- b. 3:25
- c. 3:31
- d. 3:29 (Ans.)

Instruction for Q. No. 16 to 19: In each of the following questions, a group of letters is given, which are numbered differently. Below four alternatives are given, containing combination of these numbers. Select that combination of numbers which form a meaningful word.

16. tiynpmui

17845362

- a. 51236748
- b. 23564718 (Ans.)
- c. 62134857
- d. 38715246

17. talegcyh

35782641

- a. 41735628
- b. 17865423
- c. 74612538 (Ans.)
- d. 86732154

18. zremioh

1234567

- a. 2751643 (Ans.)
- b. 3712456
- c. 1246537
- d. 4653127

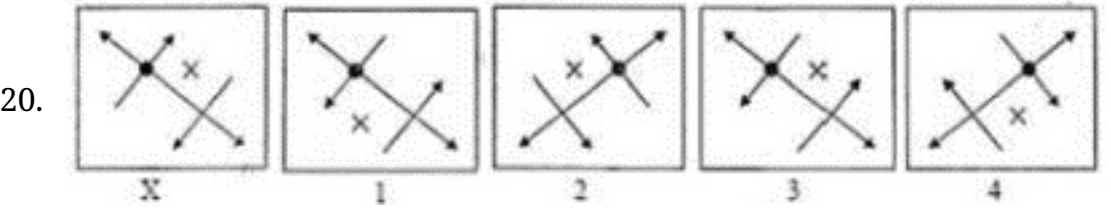
19. oyepcanst

123456789

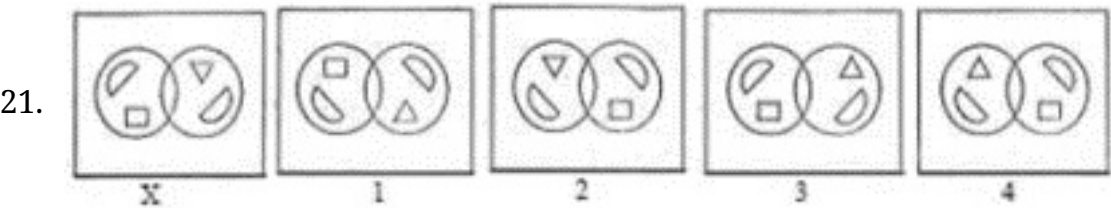
- a. 358914269

- b. 827514693 (Ans.)
- c. 563478192
- d. 567123489

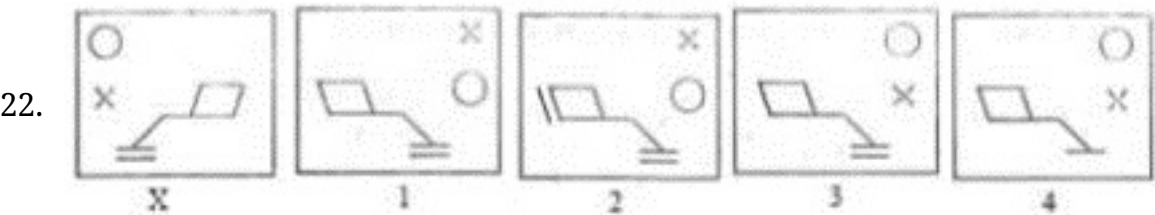
Instruction for Q. No. 20 to 22: In each of the following questions, choose the correct mirror image of the figure(x) from amongst the four alternatives 1, 2, 3 & 4 given along with it.



- a. 1
- b. 2 (Ans.)
- c. 3
- d. 4



- a. 1
- b. 2 (Ans.)
- c. 3
- d. 4

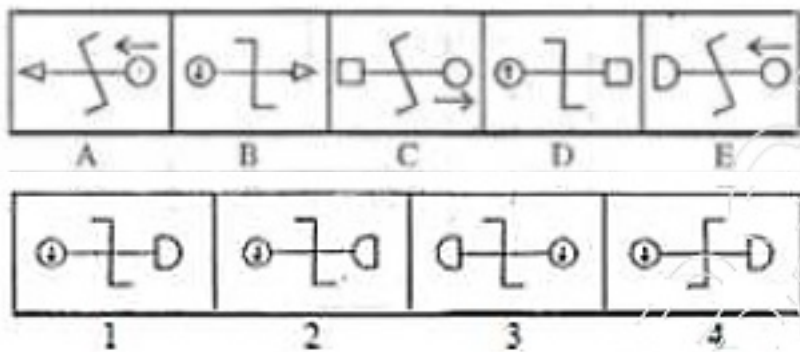


- a. 1
- b. 2
- c. 3 (Ans.)
- d. 4

Instruction for Q. No. 23 to 26: In each of the following questions, find the figure from the answer set (i.e. 1, 2, 3 and 4) which will continue the series given in the problem-set

(i.e. A, B, C, D and E)

23.



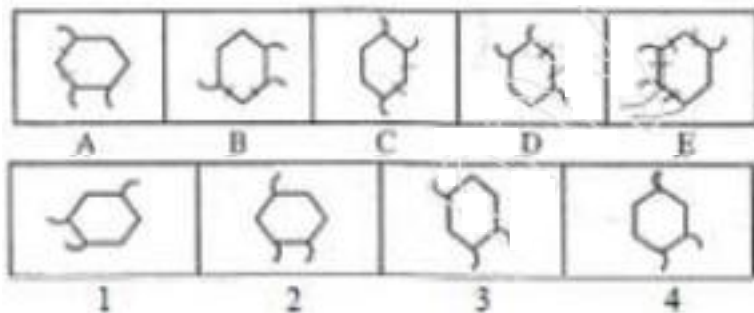
a. 1

b. 2 (Ans.)

c. 3

d. 4

24.



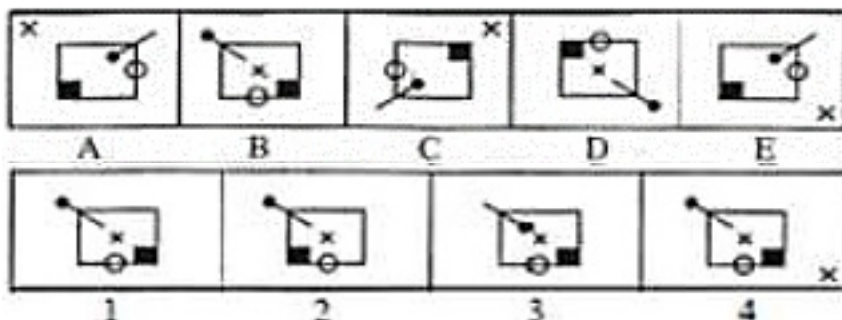
a. 1

b. 2

c. 3 (Ans.)

d. 4

25.



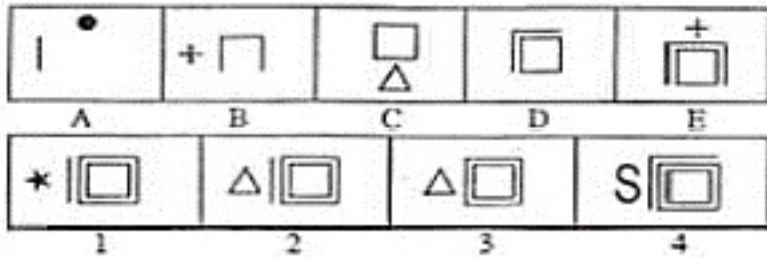
a. 1 (Ans.)

b. 2

c. 3

d. 4

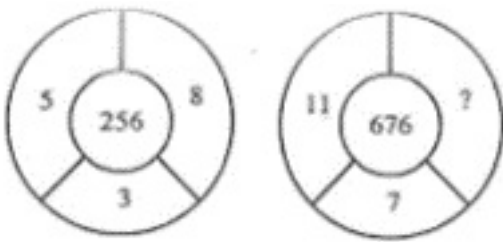
26.



- a. 1
- b. 2 (Ans.)
- c. 3
- d. 4

Instruction for Q. No. 27 to 29: Study the pattern of numbers in the following questions and select the missing number in place of question mark (?). Mark the correct alternative on your answer sheet as directed.

27.



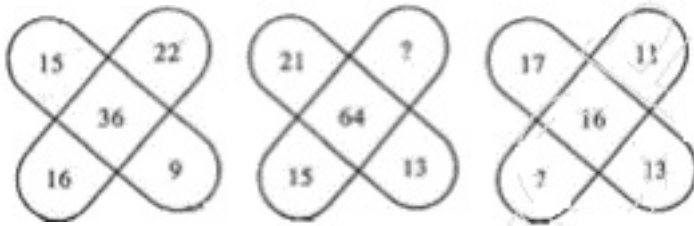
- a. 8 (Ans.)
- b. 13
- c. 7
- d. 12

28.

9	10	12
12	16	?
14	20	32

- a. 30
- b. 24 (Ans.)
- c. 28
- d. 18

29.



- a. 23 (Ans.)
- b. 27
- c. 21
- d. 25

Instruction for Q. No. 30 to 33: In each of the following questions choose the correct water image of the given words/numbers from amongst the four alternatives.

30. UNCHANGED

- a. DECHAVNU
- b. UNCHANGED (Ans.)
- c. DECHAVNU
- d. UNCHANGED

31. IDENTICAL

- a. LACITNEDI
- b. IDENTICAL
- c. IDENTICAL (Ans.)
- d. LACITNEDI

32. DL2CA34

- a. DL2CA34 (Ans.)
- b. DL2CA34
- c. DL2CA34
- d. DL2CA34

33. YZVPSTA7

- a. 7AT2PVSY
- b. 7AT2PVSY
- c. 7AT2PVSY (Ans.)
- d. 7AT2PVSY

34. If A, B and C together earn Rs. 150 per day while A and C earn Rs. 94 per day. B and C,

daily, earn Rs. 76. Calculate the per day earning of C.

- a. 20 **(Ans.)**
- b. 35
- c. 40
- d. 25

35. A train covers 36 km. in one hour. How many meters will it cover in 3 minutes?

- a. 2010
- b. 1800
- c. 1860
- d. 2000 **(Ans.)**

Instruction for Q. No. 36 to 39: In the series of letters-numbers, what will come in the place of question mark (?)

36. A25D, B22F, D18H, G13J, ?

- a. K7L **(Ans.)**
- b. L7M
- c. K10P
- d. R16Y

37. 5X8, 7C11, 10U15, 14F20, ?

- a. 17L22
- b. 19R26 **(Ans.)**
- c. 16S23
- d. 18T21

38. D15K, F12L, H9M, J6N, ?

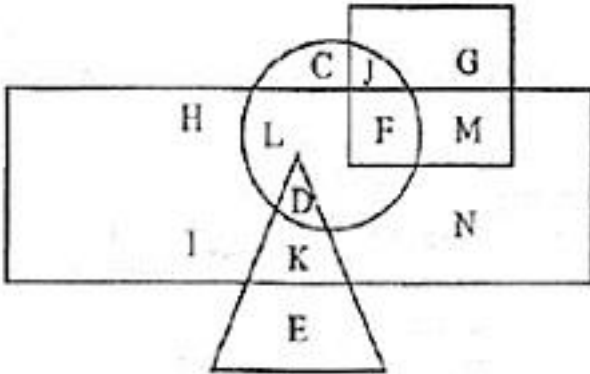
- a. O2L
- b. P3L
- c. L3O **(Ans.)**
- d. R30

39. HL7, EO10, BR13, YU16, ?

- a. SX25
- b. ZX23
- c. WX21
- d. VX19 **(Ans.)**

Instruction for Q. No. 40 to 43: In the figure given below, circle represents rural, rectangle represents male, triangle represents educated and square represents government employee.

40. Study the figure and match the letters with the questions that follows.

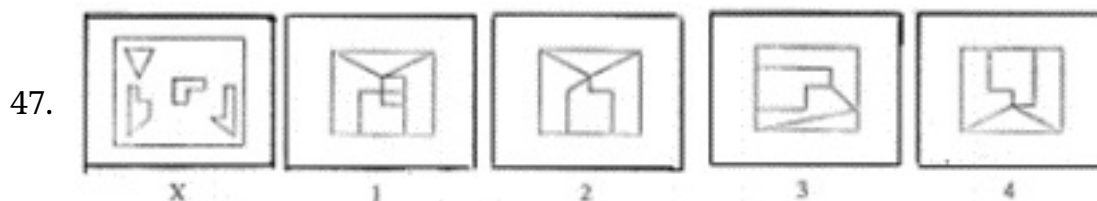


Which letter represents neither a government employee nor an educated but is rural and not a male?

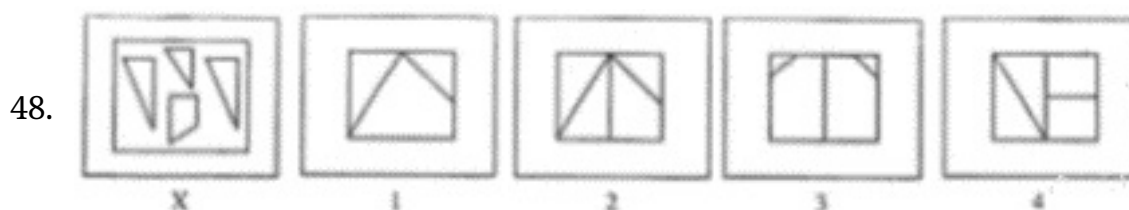
- C (Ans.)
 - N
 - G
 - M
41. Which letter indicates rural people and who are government employee but not male?
- F
 - H
 - E
 - J (Ans.)
42. Which letter represents the government employee but not a male nor rural and is uneducated?
- K
 - H
 - G (Ans.)
 - L
43. Which letter represents the uneducated people and also rural male?
- C
 - L (Ans.)
 - J
 - N

44. If the cost price of 5 eggs is equal to the selling price of 4 eggs, what is the percentage of profit?
- 35%
 - 30% **(Ans.)**
 - 25%
 - 40%
45. If 4 cows give 4 dabbas (containers) of milk in 4 days, then in how many days 8 cows will gave 8 dabbas (containers) of milk?
- 16
 - 2
 - 8
 - 4 **(Ans.)**
46. 7 numbers have an average of 13 and the average of other 13 numbers is 7. What would be the average of these 20 numbers?
- 9.1 **(Ans.)**
 - 3.9
 - 6.8
 - 8.9

Instruction for Q. No. 47 to 49: In each of the following questions, find out the figure from amongst the alternatives 1, 2, 3 & 4 which can be formed from the pieces given in X.

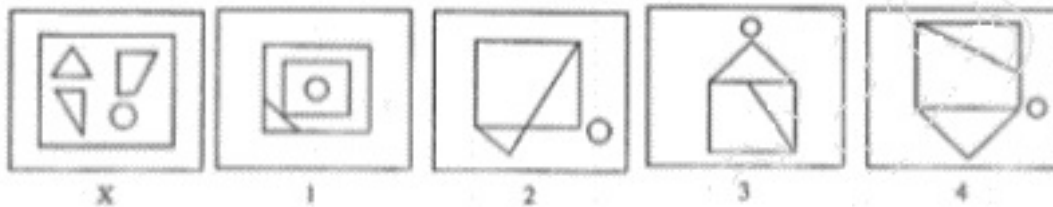


- 1
- 2
- 3
- 4 **(Ans.)**



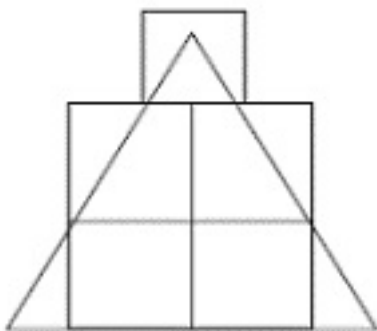
- a. 1
- b. 2 **(Ans.)**
- c. 3
- d. 4

49.



- a. 1
- b. 2
- c. 3
- d. 4 **(Ans.)**

50. How many squares and triangles are there in the following figure?



- a. 7,15 **(Ans.)**
- b. 8,17
- c. 9,18
- d. 7,18