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CTS MODEL TESTS / Test 13 / Reasoning

1. In each of the following questions, a number series is given. After the series, below it, a number is given followed by (A), (B), (C), (D) and (E). You have to complete the series starting with the number given following the sequence for the given series.

284 (A) (B) (C) (D) (E)
Which number will come in place of (C) ?

a. 50
b. 34
c. 64
d. 52

2. each of the following questions, a number series is given. After the series, below it, a number is given followed by (A), (B), (C), (D) and (E). You have to complete the series starting with the number given following the sequence for the given series.

14 (A) (B) (C) (D) (E)
Which number will come in place of (E) ?

a. 120
b. 116
c. 119
d. 202

3. each of the following questions, a number series is given. After the series, below it, a number is given followed by (A), (B), (C), (D) and (E). You have to complete the series starting with the number given following the sequence for the given series.

20 (A) (B) (C) (D) (E)
Which number will come in place of (C) ?

a. 148
b. 130
c. 136
d. 140

4. each of the following questions, a number series is given. After the series, below it, a number is given followed by (A), (B), (C), (D) and (E). You have to complete the series starting with the number given following the sequence for the given series.
.5
3 (A) (B) (C) (D) (E)
Which number will come in place of (B) ?
(1) .5 (2) (3) (4) .5

a. 64.5
b. 72
c. 68
d. 67.5

5. each of the following questions, a number series is given. After the series, below it, a number is given followed by (A), (B), (C), (D) and (E). You have to complete the series starting with the number given following the sequence for the given series.

7 (A) (B) (C) (D) (E)
Which number will come in place of (E) ?

a. 1160
b. 920
c. 1165
d. 84

6. Read the following information and answer the questions that follow.
A rectangular block of wood 1 foot high and length and breadth as 3 feet and 2 feet respectively is painted black on the sides and white on top and bottom. It is allowed to rest on the white side. It is now cut into six equal cubes.
How many cubes will have three sides black?

a. 1
b. 2
d. none of these

7. Directions: Read the information given below and answer the questions that follow.
, B, C, D and E are banks. Banks A, B and C have their branches in Mumbai and Lucknow. A, B and E have the branches in Mumbai and Gurgaon. B, C and D have their branches in Kolkata and Lucknow. A, E and D have the branches in Gurgaon and Vijaywada while C, E and D have their branches at Kolkata and Vijaywada.
bank has its branch in Mumbai but not in Kolkata?
(1) (2) (3) (4)

a. A
b. B

8. Directions: Read the information given below and answer the questions that follow.
, B, C, D and E are banks. Banks A, B and C have their branches in Mumbai and Lucknow. A, B and E have the branches in Mumbai and Gurgaon. B, C and D have their branches in Kolkata and Lucknow. A, E and D have the branches in Gurgaon and Vijaywada while C, E and D have their branches at Kolkata and Vijaywada.
bank has its branch in Kolkata and Mumbai but not in Lucknow?
(1) (2) (3) (4)

a. A
b. B

9. Directions: Read the information given below and answer the questions that follow.
, B, C, D and E are banks. Banks A, B and C have their branches in Mumbai and Lucknow. A, B and E have the branches in Mumbai and Gurgaon. B, C and D have their branches in Kolkata and Lucknow. A, E and D have the branches in Gurgaon and Vijaywada while C, E and D have their branches at Kolkata and Vijaywada.
bank has no branch in Gurgaon?

a. A
b. B

10. Directions: Read the information given below and answer the questions that follow.
, B, C, D and E are banks. Banks A, B and C have their branches in Mumbai and Lucknow. A, B and E have the branches in Mumbai and Gurgaon. B, C and D have their branches in Kolkata and Lucknow. A, E and D have the branches in Gurgaon and Vijaywada while C, E and D have their branches at Kolkata and Vijaywada.
city has no branch of Bank B?

a. Mumbai
b. Lucknow
c. Kolkata
d. Vijaywada

11. Read the following information carefully and answer the questions that follow.

assignments are being made for 5 teachers - F, G, H, I and J - and 5 assistants - K, L, M, N and O. The classrooms are all in a line on one side of a corridor and are numbered consecutively from 1 to 6. One teacher and one assistant will be assigned to each of 5 classrooms, and one classroom will remain unassigned. The assignments must conform to the following conditions.
1. F is assigned to the same room as K.
2. G is not assigned to the same room as 0.
3. I is assigned to either room 2 or room 3.
4. 3 is assigned to room 5.
5. M is assigned to a room next to F's room.
6. The unassigned room is not either one of the end rooms.
M cannot be assigned to which of the following rooms?

a. 1
b. 2

12. Read the following information carefully and answer the questions that follow.
assignments are being made for 5 teachers - F, G, H, I and J - and 5 assistants - K, L, M, N and O. The classrooms are all in a line on one side of a corridor and are numbered consecutively from 1 to 6. One teacher and one assistant will be assigned to each of 5 classrooms, and one classroom will remain unassigned. The assignments must conform to the following conditions.
1. F is assigned to the same room as K.
2. G is not assigned to the same room as 0.
3. I is assigned to either room 2 or room 3.
4. 3 is assigned to room 5.
5. M is assigned to a room next to F's room.
6. The unassigned room is not either one of the end rooms.
G is assigned to room 3, which of the following must be true?

a. F is assigned to room 1.
b. I is assigned to room 2.
c. L is assigned to room 3.
d. N is assigned to room 4.

13. Read the following information carefully and answer the questions that follow.
assignments are being made for 5 teachers - F, G, H, I and J - and 5 assistants - K, L, M, N and O. The classrooms are all in a line on one side of a corridor and are numbered consecutively from 1 to 6. One teacher and one assistant will be assigned to each of 5 classrooms, and one classroom will remain unassigned. The assignments must conform to the following conditions.
1. F is assigned to the same room as K.
2. G is not assigned to the same room as 0.
3. I is assigned to either room 2 or room 3.
4. 3 is assigned to room 5.
5. M is assigned to a room next to F's room.
6. The unassigned room is not either one of the end rooms.
room 2 is unassigned room, which of the following could be true?

a. G is assigned to an end room.
b. M is assigned to an end room.
c. M is assigned to the same room as H.
d. G is assigned to a room next to H's room.

14. Read the information given below and answer the questions that follow.
. Hawk, a very peace-loving fellow, has five grandsons and nine granddaughters. He decides to give them a present for Christmas. He takes 200 one rupee coins and puts them in two bags which he then closes. One of the bags contains more coins than the other. He asks his granddaughters to choose one of the bags. They happen to select the bag containing more coins than the other. The girls now open the bag and try to distribute the coins equally among themselves. They find they have three coins more than would allow an equal distribution. The boys get the other bag, they open it and find they need one coin more to make an equal distribution among themselves. Mr. Hawk advises the girls to give one coin to the boys and donate two coins to charity. Now the girls are able to have an equal distribution among themselves (so also the boys). No boy gets less than a girl.
difference between the number of coins in each bag is

a. 22
b. 13
c. 24

d. 15

15.
Read the information given below and answer the questions that follow.
. Hawk, a very peace-loving fellow, has five grandsons and nine granddaughters. He decides to give them a present for Christmas. He takes 200 one rupee coins and puts them in two bags which he then closes. One of the bags contains more coins than the other. He asks his granddaughters to choose one of the bags. They happen to select the bag containing more coins than the other. The girls now open the bag and try to distribute the coins equally among themselves. They find they have three coins more than would allow an equal distribution. The boys get the other bag, they open it and find they need one coin more to make an equal distribution among themselves. Mr. Hawk advises the girls to give one coin to the boys and donate two coins to charity. Now the girls are able to have an equal distribution among themselves (so also the boys). No boy gets less than a girl.
many coins did each girl get?

a. 14
b. 18
c. 12
d. 15

16. Read the information given below and answer the questions that follow.
. Hawk, a very peace-loving fellow, has five grandsons and nine granddaughters. He decides to give them a present for Christmas. He takes 200 one rupee coins and puts them in two bags which he then closes. One of the bags contains more coins than the other. He asks his granddaughters to choose one of the bags. They happen to select the bag containing more coins than the other. The girls now open the bag and try to distribute the coins equally among themselves. They find they have three coins more than would allow an equal distribution. The boys get the other bag, they open it and find they need one coin more to make an equal distribution among themselves. Mr. Hawk advises the girls to give one coin to the boys and donate two coins to charity. Now the girls are able to have an equal distribution among themselves (so also the boys). No boy gets less than a girl.
total number of coins got by 3 boys and 4 girls is equal to the total number of coins got by

a. 8 girls.
b. 5 boys and 1 girl.
c. 8 boys.
d. 6 girls and 2 boys.

17. Read the information given below and answer the questions that follow.
faculty members (A, B, C, D, E, F and G) are to be honoured at a special luncheon. The members will be seated on the dais in a row. A and G have to leave the luncheon early and so must be seated at the extreme right. B will receive the most valuable faculty award and so must be in the centre to facilitate presentation. C and D are bitter rivals and therefore must be seated as far apart as possible.
of the following cannot be seated at either end?

a. C
b. D

18. Read the information given below and answer the questions that follow.
faculty members (A, B, C, D, E, F and G) are to be honoured at a special luncheon. The members will be seated on the dais in a row. A and G have to leave the luncheon early and so must be seated at the extreme right. B will receive the most valuable faculty award and so must be in the centre to facilitate presentation. C and D are bitter rivals and therefore must be seated as far apart as possible.
of the following pairs cannot be seated together?

a. B and D
b. C and F
c. D and G
d. E and A

19. Read the information given below and answer the questions that follow.
faculty members (A, B, C, D, E, F and G) are to be honoured at a special luncheon. The members will be seated on the dais in a row. A and G have to leave the luncheon early and so must be seated at the extreme right. B will receive the most valuable faculty award and so must be in the centre to facilitate presentation. C and D are bitter rivals and therefore must be seated as far apart as possible.
of the following pairs cannot occupy the seats on either side of B?

a. F and D
b. D and E
c. E and G
d. C and F

20. Read the information given below and answer the questions that follow.
faculty members (A, B, C, D, E, F and G) are to be honoured at a special luncheon. The members will be seated on the dais in a row. A and G have to leave the luncheon early and so must be seated at the extreme right. B will receive the most valuable faculty award and so must be in the centre to facilitate presentation. C and D are bitter rivals and therefore must be seated as far apart as possible.
of the following could be a possible arrangement of sitting from left to right?

a. DEFBCAG
b. CFEBDGA
c. EFCDBAG
d. Both (1) and (2) are possible

21. , Bridget, and Claudia often eat dinner out.
[1] Each orders either coffee or tea after dinner.
[2] If Abigail orders coffee, then Bridget orders the drink that Claudia orders.
[3] If Bridget orders coffee, then Abigail orders the drink that Claudia doesn?t order.
[4] If Claudia orders tea, then Abigail orders the drink that Bridget orders.
Who do you know always orders the same drink after dinner?

a. Abigail
b. Bridget
c. Claudia
d. Bridget & Claudia

22. The following figure represents a set of persons : the triangle represents educated persons, the rectangle represents policeman, the circle represents road tax payers and ellipse represents shopkeepers :
Looking at the figure we can conclude that.

a. all educated shopkeepers pay road tax
b. all road tax paying policemen are educated
c. all educated policemen pay road tax
d. all road tax paying shopkeepers are educated

23. following figure represents a set of persons : the triangle represents educated persons, the rectangle represents policeman, the circle represents road tax payers and ellipse represents shopkeepers :
According to this figure we can say that.
(1)
(2)
(3)
(4)

a. Policeman do not pay road tax
b. shopkeepers do not pay road tax
c. some shopkeepers are educated
d. some policemen are shopkeepers

24. Out of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below. And one of the alternatives represents a relationship which is not represented by any of the figures given below. The relationship that complies this condition is your answer.

a. (a) Army, General, Colonel

b. (b) Boy, Student, Player
c. (c) Painter, Scholar, Table
d. (d) Man, Typist, Peon.

25. Out of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below. And one of the alternatives represents a relationship which is not represented by any of the figures given below. The relationship that complies this condition is your answer.

a. (a) Hen, Dog, Cat
b. (b) Body, Ear, Mouth
c. (c) Bed, Ward, Nurse
d. (d) Tiger, Animal, Carnivorous.

26. Out of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below. And one of the alternatives represents a relationship which is not represented by any of the figures given below. The relationship that complies this condition is your answer.

a. (a) Mineral, Iron, Copper
b. (b) Dean, Painter, Singer
c. (c) Seed, Leaf, Root
d. (d) Piston, Engine, Wheel

27. Out of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below. And one of the alternatives represents a relationship which is not represented by any of the figures given below. The relationship that complies this condition is your answer.

a. (a) Director, Engineer, Musician
b. (b) Apple, Orange, Mango
c. (c) Fruit, Mango, Grass
d. (d) Oxygen, Air, Water

28. Out of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below. And one of the alternatives represents a relationship which is not represented by any of the figures given below. The relationship that complies this condition is your answer.

a. (a) Bed, Ward, Hospital
b. (b) Boy, Girl, Player
c. (c) Copper, Zinc, Iron
d. (d) Book, Page, Paragraph

29. Read the following information and answer the questions that follow.
A rectangular block of wood 1 foot high and length and breadth as 3 feet and 2 feet respectively is painted black on the sides and white on top and bottom. It is allowed to rest on the white side. It is now cut into six equal cubes.How many cubes will have two black, two white and two colourless sides?

a. 2
b. 3

30. In each of the following questions one word is different from the rest.
Find out the word which does not belong to the group

a. mania
b. pneumonia
c. Influenza
d. Cholera