

## CHAPTER 13

### **Puzzle Test**

Puzzle refers to something which is baffling or confusing that is to be solved.

In such questions based on Puzzle, some raw information is given about the persons or items that are to be arranged in a particular sequence or order.

For this candidate are required to study and analyze the jumbled information given in the question and finally link them together to form a diagrammatic representation to answer the questions.

The question on puzzle test can be based on classification, placing arrangement, comparison, sequential order, based on family, etc.

**Example 1: Read the given information carefully and answer the question based on it.**

Six books are labelled A, B, C, D, E and F are placed side by side. Books B, C, E and F have green covers while others have yellow covers. Books A, B and D are new while the rest are old volumes.

Books A, B and C are law reports while the rest are medical extracts. Which two books are old medical extracts and have green covers?

- (a) B and C (b) E and F (c) C and F (d) D and F

**Sol. (b)** According to the given information, the arrangement is as follows

Books	Color of Covers	Volume	Law/ Medical
A	Yellow	New	Law
B	Green	New	Law
C	Green	Old	Law
D	Yellow	New	Medical
E	Green	Old	Medical
F	Green	Old	Medical

It can be seen from the above table that, E and F are old medical extracts and have green covers. Hence, option (b) is correct.

**Example 2:** Read the given information carefully and answer the question based on it.

In a group of five persons A, B, C, D and E, one person is a professor, one is a doctor and one is a lawyer. A and D are unmarried females who don't work.

There is a married couple in the group in which E is the husband, B is the brother of A and is neither doctor nor a lawyer. Who is professor?

(a) B (b) C (c) A (d) Data inadequate

Sol. (a) According to the question,

(Doctor/Lawyer) E (+)  $\longleftrightarrow$  C (-) (Doctor /Lawyer)

( Married Couple )

(Professor) B (+)  $\longleftrightarrow$  A (-) Brother (Unmarried)

D (-) Brother (Unmarried)

A and D are workless.

B is neither doctor nor lawyer.

Hence, it is clear that B must be professor.

### Practice Questions

1. A ate grapes and pineapple, B ate grapes and oranges, C ate oranges, pineapple and apple, D ate grapes, apple and pineapple. After taking fruits, B and C fell sick.

**In the light of the above facts, it can be said that the cause of sickness was**

(a) Apple (b) Pineapple (c) Grapes (d) Oranges

2. A, B, C, D and E belong to five different cities P, Q, R, S and T (not necessarily in that order). Each one of them comes from a different city. Further it is given that,

I. B and C do not belong to Q.

II. B and E do not belong to P and R.

III. A and C do not belong to R, S and T.

IV. D and E do not belong to Q and T.

**Which one of the following statements is not correct?**

(a) C belongs to P (b) D belongs to R

(c) A belongs to Q (d) B belongs to S

3. Six friends James, Deepak, Hari, Rahul, Vikram and Imran went for a picnic where they decided to play kabaddi. They divided themselves into two different teams with Deepak, Rahul and Vikram in Team-1 and rest in Team-2. Deepak and Imran were fat, but others were thin. Rahul and James were cheating, but other played the game fairly.

**Who was/were the friend/friends who played the game fairly from the Team-2?**

- (a) Imran and James    (b) Imran alone    (c) Hari and Imran    (d) Hari alone

4. Five friends, Ramesh, Jim, Manish, Nilesh, Sagar went for interviews in five different companies A, B, C, D and E, but not in the same order, wearing different ties viz.

Green, Red, Blue, Yellow and Orange but not in the same order. Nilesh did not go to company B and was not wearing a Green or Orange color tie. The person who

went to company B wearing a Blue color tie and the person who went to company E was wearing a Yellow color tie. Manish and Sagar did not go to the company B. Jim went to company D and was wearing a Red colored tie.

**Who is working in company B?**

- (a) Sagar    (b) Ramesh    (c) Nilesh    (d) Manish

5. A, B, C and D are sitting around a circular table and discussing about their home town.

(i) A is sitting opposite to the person who belongs to Shimla.

(ii) B is sitting to the right of the person who belongs to Lucknow.

(iii) The person who belongs to Delhi is sitting to the left of the person who belongs to Bhopal.

(iv) P is sitting opposite to C.

**A and B belong to which place?**

- (a) Bhopal and Lucknow                      (b) Lucknow and Shimla  
(c) Bhopal and Shimla                        (d) Bhopal and Delhi

6. There are four boxes, J, K, L and M in which four types of fruits are stored viz. Litchi, Apple, Grapes and Mango. Boxes are arranged in a certain manner from top to bottom.

There are two boxes between K and L. The box in which Grapes are stored is above L, but not immediate above. The Box in which Apple is stored is immediate below M, but not stored in Box L. Litchi box is above the Mango box, but not immediate above Apple box.

**In which of the following box Litchi is stored?**

- (a) J      (b) M      (c) K      (d) L

7. In a four day period—Monday through Thursday, each of the following temporary office workers worked only one day, each on a different day. Jai was scheduled to work on Monday but he traded with Raj, who was originally scheduled to work on Wednesday. Farid traded with Kajal, who was originally scheduled to work on Thursday. Finally, Jai traded with Kajal.

**After all the switching was done, who worked on Tuesday?**

- (a) Jai      (b) Farid      (c) Raj      (d) Kajal

8. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is a doctor. E is an engineer married to one of the brothers and has two children. B is married to D and G is their child.

**Who is C?**

- (a) G's father      (b) F's father      (c) E's daughter      (d) A's son

9. In a family of six, there are three men A, B and C and three women R, S and T. The six persons are Architect, Lawyer, CA, Professor, Doctor and Engineer by profession, but not in the same order. There are two married couples and two unmarried persons. C is not R's husband. The Doctor is married to a Lawyer. R's grandfather is a Professor. B is neither A's son nor he is an Architect or a Professor. The Lawyer is T's daughter-in-law. C is T's son and the Engineer's father. A is married to the CA.

**Which among the following is the correct pair of married couples?**

- (a) AS and CR      (b) AC and SR      (c) AT and CS      (d) AT and RB

10. Eight students A, B, C, D, E, F, G and H are going to college in two cars and following are conditions.

There are four students in each car.

A is in the same car in which D is sitting but H is not in the same car.

B and C are not in the car in which D is sitting.

F is sitting with A and E.

**Four students sitting in the same car are**

- (a) A, B, G, H      (b) B, D, F, G      (c) B, C, G, H      (d) A, C, D, E

**11.** P, Q, R, S, T, U are 6 members of a family in which there are two married couples. T, a teacher, is married to a doctor who is mother of R and U. Q, the lawyer, is married to P. P has one son and one grandson. Of the two married ladies one is a housewife. There is also one student and one male engineer in the family.

**Which of the following is true about the grand-daughter of the family?**

- (a) She is a lawyer    (b) She is an engineer    (c) She is a student    (d) She is a doctor

**12.** Six students A, B, C, D, E, F are sitting on the ground. A and B belong to Ruby House, while the rest belong to Emerald House. D and F are tall, while others are short. C and D are wearing glasses, while others are not wearing.

**Which girl of Emerald House who is tall and wearing glasses?**

- (a) B    (b) C    (c) D    (d) A

**Directions (Q. Nos. 13-15)** Consider the following information and answer questions based on it. P, Q, R and S are four friends who pursue teaching, law, banking, cooking and own red, blue, white and yellow house, in a random order.

An individual owns only one house and pursues only one profession.

1. P owns a red house and is not a banker.
2. The owner of blue house is lawyer.
3. The colour of S's house is neither yellow nor white.
4. R is a teacher.

**13. The owner of the blue house is**

- (a) S    (b) R    (c) Q    (d) Cannot be determined

**14. Q is a**

- (a) Lawyer    (b) Banker    (c) Cook    (d) Teacher

**15. White house is owned by**

- (a) Q    (b) R    (c) S    (d) Cannot be determined

**Directions (Q. Nos. 16-18)** Consider the following information and answer the questions based on it.

The likes and professions of five friends Rosy, Mary, Lily, Andy and Daisy are given.

1. Rosy likes yellow and is a student.
2. The librarian likes green.
3. Mary and Andy like purple and blue respectively and neither of them is a teacher.
4. Lily likes brown and the inspector likes blue.
5. One of the five is a principal.

**16. Which color does the teacher like?**

- (a) Blue (b) Brown (c) Purple (d) Green

**17. Who is the principal?**

- (a) Daisy (b) Andy (c) Mary (d) Lily

**18. Which among the following is the wrong pair?**

- (a) Andy-Inspector (b) Purple-Principal (c) Daisy-Green (d) Rosy-Teacher

**Directions (Q. Nos. 19-21)** Study the following information carefully and answer the questions given below it.

1. There are six members in a family in which there are two married couples.
2. Sandhya, a lawyer, is married to the engineer and is mother of Charu and Suraj.
3. Bhuvanesh, the teacher, is married Aruna.
4. Aruna has one son and grandson.
5. Of the two married ladies one is a housewife.
6. There is also one student and one male doctor in the family.

**19. How is Aruna related to Charu?**

- (a) Sister (b) Mother (c) Grandfather (d) Grandmother

**20. Who among the following is the housewife?**

- (a) Charu (b) Aruna (c) Sandhiya (d) None of the above

21. Which of the following is true about the grand-daughter in the family?

- (a) She is a doctor (b) She is a teacher (c) She is a student (d) Data inadequate

## ANSWERS

1.	(d)	2.	(d)	3.	(d)	4.	(b)	5.	(c)	6.	(c)	7.	(a)	8.	(d)	9.	(c)	10.	(c)
11.	(c)	12.	(c)	13.	(d)	14.	(b)	15.	(d)	16.	(b)	17.	(c)	18.	(d)	19.	(d)	20.	(b)
21.	(c)																		

### Hints & Solutions:

1. (d)

Person	Fruit			
	Apple	Pineapple	Grapes	Oranges
A	x	✓	✓	x
B	x	x	✓	✓
C	✓	✓	x	✓
D	✓	✓	✓	x

Since, B and C fell sick, so the cause of sickness is oranges which is eaten by both of them.

2. (d) From the given information, following table can be drawn

Person	City				
	P	Q	R	S	T
A	x	✓	x	x	x
B	x	x	x	x	✓
C	✓	x	x	x	x
D	x	x	✓	x	x
E	x	x	x	✓	x

Now, it is clear from the above table that B does not belong to S. So, statement (d) is incorrect.

3. (d) According to the question, the arrangement is as follows

Friend	Team	Size	Playing Nature
James	Team-2	Thin	Cheating
Deepak	Team-1	Fat	Fairly
Hari	Team-2	Thin	Fairly
Rahul	Team-1	Thin	Cheating
Vikram	Team-1	Thin	Fairly
Imran	Team-2	Fat	Fairly

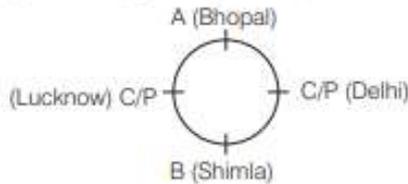
Hence, Hari played fairly from Team-2 and he is thin.

4. (b) According to the question, the arrangement is as follows

Person	Company	Colour of tie
Ramesh	B	Blue
Jim	D	Red
Manish	A/C	Green/Orange
Nilesh	E	Yellow
Sagar	A/C	Green/Orange

Hence, Ramesh works in company B.

5. (c) According to the question,



Hence, A and B belong to Bhopal and Shimla, respectively.

6. (c)

Box	Fruit
K	Litchi
M	Grapes
J	Apple
L	Mango

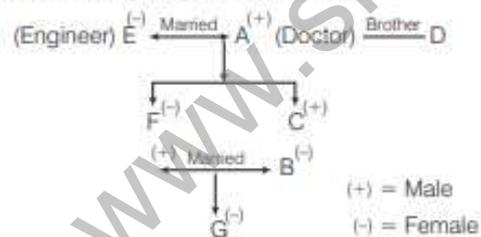
∴ Litchi is stored in Box K.

7. (a)

Day	Originally	Finally
Monday	Jai	Raj
Tuesday	Farid	Kajal
Wednesday	Raj	Jai
Thursday	Kajal	Farid

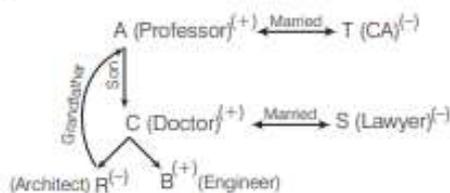
Hence, Jai worked on Tuesday.

8. (d) Family diagram is as follows



So, C is A's son.

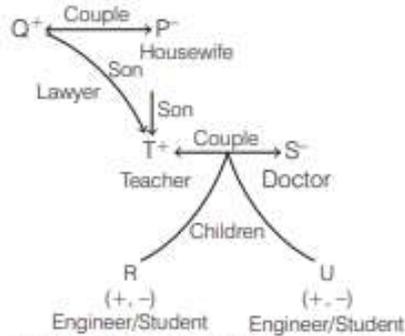
9. (c) The family diagram can be drawn as



Hence, the correct pair of married couples are AT and CS.

10. (c) By given conditions, there are two groups of students which are A, D, E, F and B, C, G, H.

11. (c) According to the information, the arrangement is as follows



So, she is a student is correct and either R or U be a student.

12. (c) We have total six student sitting on the ground

Ruby House → A, B

Emerald House → C, D, E, F; Tall → D, F

Short → A, B, C, E

Wearing glasses → C, D

Wearing no glasses → A, B, E, F

We have to find out girl of Emerald House who is tall and wearing glasses.

So, we have to find out the common students in the given condition.

Therefore, D is the only student who is wearing glasses, tall and belongs to Emerald Houses.

**Sol.** (Q. Nos. 13-15) According to the question, the arrangement is as follows

Person	Profession	House colour
P	Cooking	Red
Q	Banking	White/Yellow
R	Teacher	Yellow/White
S	Lawyer	Blue

13. (a) S is the owner of blue house.

14. (b) Q is a banker.

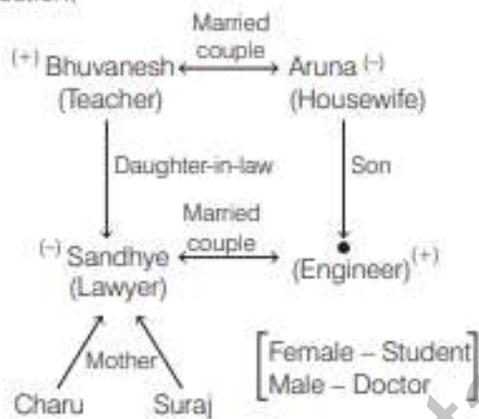
15. (d) White house is owned by either Q or R.

**Sol.** (Q. Nos. 16-18) According to the question,

Person	Colour	Profession
Rosy	Yellow	Student
Mary	Purple	Principal
Lily	Brown	Teacher
Andy	Blue	Inspector
Daisy	Green	Librarian

16. (b) Teacher likes brown color.  
 17. (c) Mary is the principal.  
 18. (d) Rosy is not a teacher, she is a student.

**Sol.** (Q. Nos. 19-21) According to the question,



19. (d) Aruna is the grandmother of Charu.  
 20. (b) Aruna is the housewife.  
 21. (c) The grand-daughter of the family is the student.