

## PUZZLE

**Directions:** Study the following information carefully and answer the questions given below:

M, P, D, K, R, T and W are seven members of a family. There are three female members among them. There are two lawyers, two teachers, two engineers and one doctor among them. None of the female members is engineer. D is one of the lawyers and is husband of P. W is one of the teachers. D and R are children of M and K. T has the same profession as that of his uncle R. K is grandmother of T and W. R's father is also a lawyer. K is not a doctor.

1. How is M related to T?  
 (1) Father (2) Uncle  
 (3) Brother (4) Data inadequate  
 (5) None of these
2. Who is the doctor?  
 (1) R (2) T  
 (3) P (4) Data inadequate  
 (5) None of these
3. How is W related to R?  
 (1) Nephew (2) Niece  
 (3) Nephew or Niece (4) Data inadequate  
 (5) None of these
4. How is P related to M?  
 (1) Daughter (2) Sister-in-law  
 (3) Grand-daughter (4) Daughter-in-law  
 (5) None of these
5. Which of the following pairs of persons are engineers?  
 (1) RT (2) RW  
 (3) MP (4) Data inadequate  
 (5) None of these

**Directions:** Study the following information carefully and answer the questions given below:

A, M, P, J, H, D and K are seven students of a school. They study in Std. III, IV and V with atleast two in any one standard. Each of them has different choice of colour from - blue, red, green, yellow, black, white and brown, not necessarily in the same order. M studies in Std. IV with only D who likes red colour. A studies in Std. V and does not like either blue or green. H does not study in Std. V and likes yellow colour. P and J study in the same std. but not with A. None of those who study in Std. III likes white. The one who likes black studies in Std. IV. J likes brown colour. P does not like blue colour.

6. Which colour does P like?  
 (1) Green (2) Blue  
 (3) Blue or Green (4) Data inadequate  
 (5) None of these

7. Which of the following combinations is definitely correct?

- |                       |                |
|-----------------------|----------------|
| (1) III-H-Black       | (2) IV-K-Blue  |
| (3) V-A-Blue          | (4) IV-D-Green |
| (5) All are incorrect |                |

8. Which colour does A like?

- |                   |                     |
|-------------------|---------------------|
| (1) Brown         | (2) Red             |
| (3) White         | (4) Data inadequate |
| (5) None of these |                     |

9. Which colour does K like?

- |                   |                     |
|-------------------|---------------------|
| (1) Green         | (2) Blue            |
| (3) Blue or Green | (4) Data inadequate |
| (5) None of these |                     |

10. In which std. do three of them study?

- |                   |                     |
|-------------------|---------------------|
| (1) III only      | (2) V only          |
| (3) III or V only | (4) Data inadequate |
| (5) None of these |                     |

**Directions:** Study the following information carefully and answer the questions given below :

A, B, C, D, E, F and G are the only seven members of a family. There are three females among them. There are two married couples in the family. Each of them has a different profession from-Architect, Lawyer, Doctor, Teacher, Engineer, Manager and Musician, not necessarily in the same order.

B is the Lawyer and he is married to F, the Manager. A is brother of G who is the Architect. C is the Doctor and is an unmarried lady. D is the Teacher and is sister of G. E is not an Engineer.

11. Which of the following combinations is definitely correct?

- |                           |
|---------------------------|
| (1) B - Male - Manager    |
| (2) B - Female - Lawyer   |
| (3) C - Female - Musician |
| (4) E - Male - Musician   |
| (5) D - Male - Architect  |

12. Which of the following combinations represents the husbands of the two married couples?

- |                   |                     |
|-------------------|---------------------|
| (1) BG            | (2) AF              |
| (3) BE            | (4) Data inadequate |
| (5) None of these |                     |

13. What is E's profession?

- |                   |                     |
|-------------------|---------------------|
| (1) Doctor        | (2) Musician        |
| (3) Teacher       | (4) Data inadequate |
| (5) None of these |                     |

14. What is A's profession?

- |                          |
|--------------------------|
| (1) Engineer             |
| (2) Musician             |
| (3) Engineer or Musician |
| (4) Data inadequate      |
| (5) None of these        |



15. Which of the following pairs is a married couple?

- (1) BG (2) AE  
(3) AC (4) Data inadequate  
(5) None of these

**Directions:** Study the following information carefully and answer the questions given below.

M, T, J, R, D, W and Q are seven friends travelling in three cars - A, B and C with at least two persons in each car. There are three females among them one in each car. T travels with only her best friend Q in car B. M travel in car A. D and W do not travel in car C. J is not a female and W is a female.

16. J travels in which car?

- (1) A (2) C  
(3) A or C (4) Data inadequate  
(5) None of these

17. In which car do three of them travel?

- (1) C (2) B  
(3) A (4) Data inadequate  
(5) None of these

18. D travels in which car?

- (1) B (2) A  
(3) A or C (4) Data inadequate  
(5) None of these

19. Which of the following groups represents the three females?

- (1) WQR (2) DQR  
(3) DTR (4) Data inadequate  
(5) None of these

20. Which of the following combinations of car person is not correct?

- (1) A-M (2) B-Q  
(3) C-R (4) A-D  
(5) All are correct

**Directions:** Study the following information carefully and answer the questions given below .

Seven friends R, M, K, P, L, W and B live in three different buildings, i. e. , X, Y and Z. Not less than two or more than three live in any of the buildings. Each of them has a liking for different fruits among apple, jackfruit, watermelon, orange, grapes, pineapple and mango, not necessarily in that order. Three among them are girls, one each every building. W likes orange and stays in building Y alongwith only P. M lives in building Z and likes jackfruit. None in building X likes apple or grapes. R and L don't stay in X building. K is R's close friend and she does not like watermelon. L likes pineapple. None of the girls likes orange and one of them likes apple. R does not like grapes.

21. Who likes mango?

- (1) B (2) P  
(3) K (4) Data inadequate  
(5) None of these

22. Who stay in building Z?

- (1) M, R (2) K, B, M  
(3) M, R, B (4) M, K, R  
(5) None of these

23. Which fruit does R like?

- (1) Apple (2) Watermelon  
(3) Mango (4) Pineapple  
(5) None of these

24. Who are the three girls among the friends?

- (1) K, R, W (2) R, K, P  
(3) K, M, P (4) Data inadequate  
(5) None of these

25. Which fruit does B like?

- (1) Mango (2) Grapes  
(3) Apple (4) Watermelon  
(5) None of these

**Directions:** Read the following information carefully and answer the questions given below:

P, Q, R, S, T and U are six employees of an organization. There are at least two managers, at least two clerks and at least one officer among them. They work in three departments of Computers, Sales and Marketing with at least two employees in each department. In no department there are employees belonging to same cadre.

- (i) T works in Sales and is not a Clerk.  
(ii) Q, a manager, works in Computers.  
(iii) P, the officer, works in Marketing.  
(iv) R, an officer, works with T.  
(v) U does not work with P.

26. What is T's designation?

- (1) Manager (2) Officer  
(3) Manager or Officer (4) Data inadequate  
(5) None of these

27. With whom does S work in the same department?

- (1) Q (2) T  
(3) R (4) Data inadequate  
(5) None of these

28. In which of the following departments there is no Manager?

- (1) Sales (2) Computer  
(3) Sales or Computer (4) Marketing  
(5) None of these

29. In which, department does U work?

- (1) Sales (2) Computers  
(3) Marketing (4) Data inadequate  
(5) None of these



30. The two clerks work in which of the following pairs of departments?  
 (1) Sales-Computers  
 (2) Marketing-Sales  
 (3) Marketing-Computers  
 (4) Data inadequate  
 (5) None of these
- Directions:** Study the following information carefully and answer the questions given below:
- (i) Eight persons A, B, C, D, E, F, G and H work in three different companies X, Y and Z.  
 (ii) There are two ladies who work in different companies and their specialisation is also different.  
 (iii) Two of them have specialisation in Finance, another two have specialisation in Human Resources, two have specialisation in Marketing, one is engineer and one of them is specialist in Computer.  
 (iv) O is a specialist in Human Resource working in Company X while her friend G is a Finance specialist and works in Company Z.  
 (v) H is a Human Resource specialist who works with Marketing specialist B but does not work in Company Y.  
 (vi) The two persons with same specialisation do not work together.  
 (vii) Marketing specialist F works in Company Y and his friend A who is Finance specialist works in Company X with only one other specialist.  
 (viii) In no company more than three persons work.  
 (ix) C is an engineer and his sister works in Company Z.  
 (x) No lady is an engineer nor Computer specialist.
31. In which two Companies Human Resource specialists do work?  
 (1) X and Y (2) Y and Z  
 (3) X and Z
32. On which day does T teach?  
 (1) Wednesday (2) Thursday  
 (3) Monday (4) Data inadequate  
 (5) None of these
33. Who is Computer specialist?  
 (1) C (2) JE  
 (3) H (4) Data are inadequate  
 (5) None of these
33. The two ladies are  
 (1) B and D (2) D and H  
 (3) D and G (4) Either (1) or (3)  
 (5) Data are inadequate
34. What is the specialisation of H?  
 (1) Marketing (2) Finance  
 (3) Computer (4) Engineer  
 (5) None of these
35. In which Company does C work?  
 (1) Y (2) Z  
 (3) X (4) Either Y or Z  
 (5) None of these
- Directions:** Study the following information carefully and answer the questions given below it:
- (i) There are seven members, four men and three women in a family.  
 (ii) They are L, M, N, O, P, Q and R.  
 (iii) M is a businessman and father of P.  
 (iv) Q is the paternal grandfather of P and is a Doctor.  
 (v) N, who is the housewife is daughter-in-law of O.  
 (vi) R is P's uncle and is an advocate.  
 (vii) There is one Architect, one Pilot and one Journalist in the family.  
 (viii) N is not P's mother.  
 (ix) There are three married couples in the family.
36. If Q is the grandfather of a pilot, what is his daughter-in-law's profession?  
 (1) Journalist  
 (2) Doctor  
 (3) Advocate  
 (4) Cannot be determined  
 (5) None of these
37. If O is the Pilot and the Journalist is not a female then P's profession is  
 (1) Architect  
 (2) Journalist  
 (3) Doctor  
 (4) Cannot be determined  
 (5) None of these
38. If the Pilot does not have any child, then who is the Pilot?  
 (1) L (2) N  
 (3) P (4) Either (1) or (3)  
 (5) Either (2) or (3)
39. Which of the following is a group of male members?  
 (1) O, R, P, M (2) Q, M, R, P  
 (3) L, Q, M, R (4) Either (2) or (3)  
 (5) None of these
40. If P's mother is an Architect, which is the set of three couples?  
 (1) ML, RM, QO (2) RO, ML, QN  
 (3) QO, RN, PL (4) Can't be determined  
 (5) None of these

**Directions:** Study the following information carefully and answer the questions given below:

P, Q, R, S, T, U and V are seven professors. Each one teaches a different subject from Physics; Chemistry, Biology, English, Mathematics, Economics and Geography, not necessarily in the same order. Each of them teaches one day each on the seven days of the week from Monday to Sunday not necessarily in the same order. R teaches Biology on Friday. Q teaches Mathematics on the previous day of the day on which the professor teaches Physics. V teaches on Sunday but does not teach Chemistry or English, S teaches Economics on the previous day on which U teaches. P teaches Geography on Tuesday. T does not teach English.

41. On which day does U teach?

- (1) Wednesday
- (2) Thursday
- (3) Wednesday or Thursday
- (4) Data inadequate
- (5) None of these

42. Which subject does V teach?

- (1) Chemistry
- (2) English
- (3) Biology
- (4) Data inadequate
- (5) None of these

43. Which subject does T teach?

- (1) Chemistry
- (2) Physics
- (3) Chemistry of Physics
- (4) Data inadequate
- (5) None of these

44. On which day does U teach?

- (1) Wednesday
- (2) Thursday
- (3) Monday
- (4) Data inadequate
- (5) None of these

45. Which subject does U teach?

- (1) Physics
- (2) English
- (3) Physics or English
- (4) Data inadequate
- (5) None of these

**Directions:** Study the following information carefully and answer the questions given below:

J, K, L, M, N, O and P are seven kids playing in the garden. They are wearing clothes of colours black, blue, white, green, pink, yellow and brown. Out of the seven, three are girls. No girl is wearing either black, yellow or brown. M's sister O is wearing pink, while he is wearing brown. J is wearing blue while his sister K is not wearing green. N is wearing yellow while his best friend P is a boy.

46. What colour is K wearing ?

- (1) Green
- (2) Pink
- (3) Brown
- (4) Data inadequate
- (5) None of these

47. What colour is P wearing ?

- (1) Black
- (2) Blue
- (3) White
- (4) Green
- (5) None of these

48. What colours are the sisters of J and M wearing ?

- (1) Pink and Green
- (2) Pink and Yellow
- (3) White and Green
- (4) White and Pink
- (5) None of these

49. What colour is L wearing ?

- (1) Black
- (2) Green
- (3) White
- (4) Data inadequate
- (5) None of these

50. Which is group denoting only girls?

- (1) KLM
- (2) KNO
- (3) KLO
- (4) Data inadequate
- (5) None of these



## PUZZLE

(1-5):

Member	Sex	Profession	Relationship
M	Male	Lawyer	Husband of K, Father of D and R
P	Female	Doctor	Wife of D
D	Male	Lawyer	Husband of P, Son of M and K
K	Female	Teacher	Grand-mother of T and W, Wife of M
R	Male	Engineer	Son of M and K
T	Male	Engineer	Son of P and D
W	Female	Teacher	Daughter of P and D

1. 5; M is grandfather of T.
2. 3; P is the doctor.
3. 2; W is niece of R.
4. 4; P is daughter-in-law of M.
5. 1; R and T are engineers.

(6-10):

Colour	Student	Standard
Blue	K	V
Green	P	III
Yellow	H	III
Black	M	IV
White	A	V
Brown	J	III
Red	D	IV

6. 1    7. 5    8. 3    9. 2    10. 1

(11-15):

Members	Professions	Gender
A	Engineer	Male
F ⇔ B (-) (+)	Lawyer	Male
C	Doctor	Female
D	Teacher	Female (unmarried)
C ⇔ E (-) (+)	Musician	Male
F	Manager	Female
G	Architect	Male

11. 4    12. 3    13. 2    14. 1

15. 5; FB and CE are married couples.

(16-20): From the given information, we can have the following table.

Person	Sex	Car
M	Male	A
T	Female	B
J	Male	C
R	Female	C
D	Male	A
W	Female	A
Q	Male	B

16. 2    17. 3    18. 2

19. 5; TRW

20. 5

(21-25): On the basis of given information and conclusions drawn we can construct the following table.

Friends	Boy or Girl	Building	Fruit
R	Girl	Z	Apple
M	Boy	Z	Jackfruit
K	Girl	X	Mango
P	Girl	Y	Grape
L	Boy	Z	Pineapple
W	Boy	Y	Orange
B	Boy	X	Watermelon

21. 3; K likes mango.
22. 5; L, M and R stay in building Z.
23. 1; R likes apple.
24. 2; K, P and R are girls.
25. 4; B likes watermelon.

(26-30): On the basis of given information and conclusions as well as sub-conclusions drawn from then we can construct the following table:

Person	Post	Department
P	Officer	Marketing
Q	Manager	Computers
R	Officer	Sales
S	Clerk	Marketing
T	Manager	Sales
U	Clerk	Computers



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26. 1; T is Manager.  
 27. 5; P and S work in the same department.  
 28. 4; There is no Manager in the Marketing department.  
 29. 2; U works in Computers department.  
 30. 3; S → Marketing  
 U → Computers

(31-35): On the basis of given information we can construct the following table:

	Company		
Specialist	X	Y	Z
Finance	A		
Human Resource	D (Female)		H
Marketing		F	B
Engineer		C	
Computer		E	

31. 3; Human Resource specialists D and H work in Company X and Company Z respectively.  
 32. 2; E is a Computer Specialist.  
 33. 5; One lady is D. The other lady may be B, G or H.  
 34. 5; The specialisation of H is Human Resource.  
 35. 1; C, an engineer, works in Company Y.

(36-40): On the basis of information given and conclusions as well as sub-conclusion drawn from them we can construct the following table

Member	Sex	Profession	Relationship
L	Female	Architect/Pilot-Journalist	Wife of M, Mother of P
M	Male	Businessman	Husband of L, Father of P
N	Female	Housewife	Wife of R
O	Female	Architect/Pilot-Journalist	Wife of Q
P	Male	Architect/Pilot-Journalist	Son of L and M
Q	Male	Doctor	Father of M and R Husband of O
R	Male	Advocate	Husband of N

36. 4; Q is the grandfather of P. The mother of P is L who may be either Architect or Journalist.  
 37. 2; According to the above table and conditions given in the question P is a Journalist.

38. 5; P, R and N do not have any child.  
 39. 2; Male members in the family are: M, P, Q and R.  
 40. 1; Married couples are: LM, NR and OQ.

(41-45):

Professor	Day	Subject
P	Tuesday	Geography
Q	Saturday	Mathematics
R	Friday	Biology
S	Wednesday	Economics
T	Monday	Chemistry
U	Thursday	English
V	Sunday	Physics

41. 5      42. 5      43. 1  
 44. 2      45. 2

(46-50): वी हुई सूचना के आधार पर निम्नलिखित सारणी बनाया जा सकता है।

cPps	fy	di Madkj	l æk
J	yMk	lyk	K dkHkZ
K	yMh	l Qa	J dhogu
L	yMh	gk	
M	yMk	cku	O dkHkZ
N	yMk	ilyk	
O	yMh	xylch	M dhogu
P	yMk	dlyk	

46. 5; K स्फेद कपड़ा पहना है।  
 47. 1; P काला कपड़ा पहना है।  
 48. 4; K, J की बहन → स्फेद  
 O, M की बहन → गुलाबी  
 49. 2; L हरा कपड़ा पहना है।  
 50. 3; K, L और O लड़कियाँ हैं।

