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PUZZLE - III

Directions (1 - 5): Study the following information carefully and answer the

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 the only 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. R is unmarried.

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 (6 - 10): Study the following information carefully and answer the

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 Standard IV with only D who likes Red colour. A studies in Standard V and does not like either Blue or Green. H does not study in Standard V and likes Yellow colour. P and J study in the same standard but not with A. None of those who study in Standard III likes White. The one who likes Black studies in Standard 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 (11 - 15): Study the following information carefully and answer the

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- 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 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 (16 - 20): Study the following information carefully and answer the

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 (21 - 25): Study the following information carefully and answer the

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 not 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 same order. Three among them are girls, one each in 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

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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

information carefully and answer the

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

information carefully and answer the

(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) D 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 or Computer specialist.

31. In which two Companies Human Resource specialists work?

    (1) X and Y   (2) Y and Z

    (3) X and Z   (4) Data inadequate

    (5) None of these

32. Who is Computer specialist?

    (1) C   (2) E   (3) H

    (4) Data 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 (36 - 40): 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 Q's 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) Cannot he determined
    (5) None of these

Directions (41 - 45): 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 or Physics
    (4) Data inadequate
    (5) None of these
44. On which day does V 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
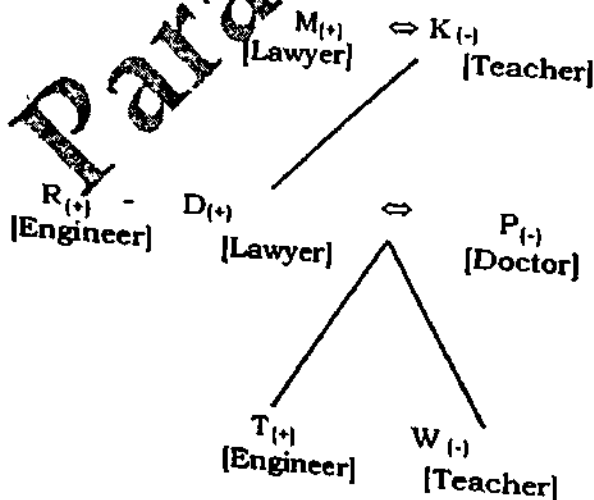   (4) Data inadequate
    (5) None of these

Directions (46 - 50): 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

Answers with Explanation:

1 - 5: From the given clues we get the complete information as follows:

$M_{(+)}$ [Lawyer] ⇔ $K_{(-)}$ [Teacher]

$R_{(+)}$ [Engineer] - $D_{(+)}$ [Lawyer] ⇔ $P_{(-)}$ [Doctor]

$T_{(+)}$ [Engineer] $W_{(-)}$ [Teacher]

Where,
(+) = Male, (-) = Female

1. 5; Grandfather
2. 3   3. 2   4. 4   5. 1

6 - 10: On the basis of the given clues the complete information is as follows:

CLASS	PERSON (COLOUR)
1. Std. III	P (Green), J (Brown), H (yellow)
2. Std. IV	M (Black), D (Red)
3. Std. V	A (White), K (Blue)

6. 1   7. 5   8. 3   9. 2   10. 1

11 - 15: On the basis of the given clues the complete information is as follows:

$B_{(+)}$ [Lawyer] ⇔ $F_{(-)}$ [Manager]
Also,
$A_{(+)}$ [Engineer] - $G_{(-)}$ [Architect] - $D_{(+)}$ [Teacher]
Also, $E_{(+)}$ [Musician] ⇔ $D_{(-)}$ [Teacher]
And, $C_{(+)}$ [Doctor]
Note that 'C' is Unmarried.

11. 4   12. 3   13. 2   14. 1   15. 5

16 - 20: On the basis of the given clues the complete information is as follows:

CAR	PERSON(GENDER)
1. A	$M_{(+)}$, $D_{(+)}$, $W_{(-)}$
2. B	$T_{(+)}$, $Q_{(-)}$
3. C	$J_{(+)}$, $R_{(-)}$

16. 2   17. 3   18. 2   19. 1   20. 5

21 - 25: On the basis of the given clues the complete information is as follows:

BUILDING	PERSON (FRUIT)
1. X	$K_{(-)}$ [Mango], $B_{(+)}$ [Watermelon]
2. Y	$W_{(+)}$ [Orange], $P_{(-)}$ [Grapes]
3. Z	$M_{(+)}$ [Jackfruit], $R_{(-)}$ [Apple], $L_{(+)}$ [Pineapple]

21. 3   22. 5; M, R and L   23. 1   24. 2   25. 4

26 - 30: On the basis of the given clues the complete information is as follows:

DEPARTMENT	PERSON (PROFESSION)
1. Computers	Q (Manager), U (Clerk)
2. Sales	T (Manager), R (Officer)
3. Marketing	P (Officer), S (Clerk)

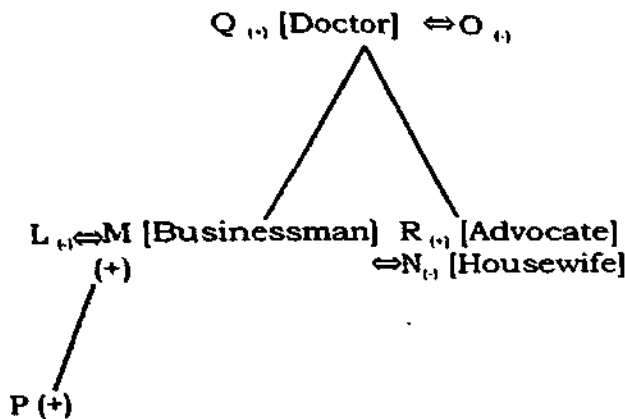26. 1   27. 5   28. 4   29. 2   30. 3

31 - 35: On the basis of the given clues the obtained information is as follows:

COMPANY		PERSON (SPECIALIZATION)
1.	X	D₍₎[Human Resource], A₍₎[Finance]
2.	Y	F₍₎[Marketing], C₍₎[Engineer], E₍₎[Computer Expert]
3.	Z	G [Finance], H₍₎[Human Resource], B [Marketing]

Note that gender of G and B is not known

31. 3   32. 2   33. 4   34. 5;   Human Resource
35. 1

36 - 40: On the basis of the given clues, we get the following information.

Q ₍₋₎ [Doctor] ⇔ O ₍₋₎

L ₍₊₎⇔M [Businessman]   R ₍₋₎ [Advocate]
(+)   ⇔N₍₋₎ [Housewife]

P (+)

Note that the professions of O, L and P are not clear.

36. 4   37. 2   38. 3   39. 2
40. 5;   ML, RN and QO

41-45. On the basis of the given clues, the complete information is as follows:

	DAY	PERSON	SUBJECT
1.	MON	T	Chemistry
2.	TUE	P	Geography
3.	WED	S	Economics
4.	THU	U	English
5.	FRI	R	Biology
6.	SAT	Q	Mathematics
7.	SUN	V	Physics

41. 2
42. 5;   Physics
43. 1
44. 5;   Sunday
45. 2

46-50. On the basis of the given clues, we get the following information:

	PERSON	GENDER	COLOUR	RELATION
1.	J	Male	Blue	Brother of K
2.	K	Female	White	Sister of J
3.	L	Female	Green	× × × × ×
4.	M	Male	Brown	Brother of O
5.	N	Male	Yellow	× × × × ×
6.	O	Female	Pink	Sister of M
7.	P	Male	Black	× × × × ×

46. 5;   White
47. 1   48. 4   49. 2   50. 3