

15

PUZZLE-QUESTIONS BASED ON LATEST PATTERN

Directions (1 - 7): Study the following information to answer the given questions:

Six chemical L, M, N, O, P and Q are kept in bottles of different colours viz. Green, Red, Blue, White, Pink and Violet, not necessarily in the same order. These bottles are arranged from left to right, again not necessarily in the same order.

Chemical M is kept in White bottle. Chemical L is not kept in Green bottle and is kept to the immediate left of the Violet bottle. Chemical O is kept in the Blue bottle and is kept exactly between the bottles containing chemicals L and M. The Red bottle is at the extreme left end. The bottle containing chemical Q is not kept at either of the ends. The Green bottle is kept at the extreme right end. Chemical P is not kept near the White bottle.

1. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that **does not** belong to the group?

(1) LM (2) LP (3) QO
(4) LQ (5) NO

2. Which bottle contains chemical L?

(1) Pink (2) Blue (3) Red
(4) Can't be determined (5) None of these

3. Which of the following combinations of chemical and bottle is **correct**?

(1) P-Red (2) N-Green (3) P-Green
(4) Q-Pink (5) None of these

4. Which bottle contains chemical Q?

(1) Pink (2) Green (3) Violet
(4) Can't be determined (5) None of these

5. If all the six chemicals are arranged alphabetically from left to right, positions of how many will remain unchanged?

(1) None (2) One (3) Two
(4) Three (5) Four

6. Which bottle contains chemical N?

(1) Green (2) Red (3) Pink
(4) Can't be determined (5) None of these

7. Which chemical is kept in the bottle at the extreme right end?

(1) P (2) N (3) L
(4) Can't be determined (5) None of these

Directions (8 - 14): Study the following information to answer the given questions:

Six plays A, B, C, D, E and F are to be staged starting from Monday and ending on Sunday with one of the days being an off day, not necessarily in the same order. Each of the plays has different time

duration: $\frac{1}{2}$ hour, 1 hour, $1\frac{1}{2}$ hours, 2 hours, $2\frac{1}{2}$ hours and 3 hours, again not necessarily in the same order.

Sunday is not an off day and a Play of $\frac{1}{2}$ hour duration is staged on that day. Play A is staged immediately before Play E. There are two plays staged between Play F which is for 3 hours and Play C which

is for $1\frac{1}{2}$ hours. The off day is after the staging of Play E and there are two days between the off day and Play A. Play D which is for 2 hours is not staged on Monday. The play staged immediately before the off day is of 3 hours. Play A is

for less than $2\frac{1}{2}$ hours.

8. What is the time duration of Play B?

(1) $2\frac{1}{2}$ hours (2) 2 hours (3) 1 hour

(4) $\frac{1}{2}$ hour (5) None of these

9. Which day is the off day?

(1) Tuesday (2) Monday (3) Friday
(4) Saturday (5) Cannot be determined

10. Which of the following combinations of Play-Day-Time Duration is correct?

- (1) E - Wednesday - 2 hours
(2) A - Tuesday - 1 hour

(3) C - Thursday - $1\frac{1}{2}$ hours

(4) F - Tuesday - 3 hours

(5) None is correct

11. On which day is Play D staged?

(1) Wednesday (2) Saturday (3) Tuesday

(4) Friday (5) Can't be determined

12. How many plays are staged before the off day?

(1) Two (2) One (3) Five

(4) Three (5) None of these

Directions (13 - 14): Keeping all the other information the same, if D is staged on Monday, then

13. A play of what time duration would be staged on Thursday?

(1) 2 hours (2) $2\frac{1}{2}$ hours (3) 1 hour

(4) 3 hours (5) Can't be determined

14. Which day would be the off day?

(1) Tuesday (2) Monday (3) Friday

(4) Saturday (5) Can't be determined

Directions (15 - 21): Study the following information to answer the given questions:

6 lectures are scheduled in a week starting from Monday and ending on Sunday of the same week. Computer Science is not on Tuesday or Saturday. Psychology is immediately after Organizational Behaviour. Statistics is not on Friday and there is one day gap between Statistics and Research Methods. One day prior to the schedule of Economics there is no lecture (as that day is the 'off' day and Monday is not the 'off' day).

15. Which of the following is the last lecture scheduled?

- (1) Statistics (2) Research Methods
(3) Psychology (4) Can't be determined
(5) None of these

16. If Wednesday is the 'off' day, the code would be 2 - 4, if Thursday was the 'off' day, the code would be 3 - 3. Taking into account the 'off' day which of the following code is correct?

- (1) 2 - 4 (2) 3 - 3 (3) 4 - 2
(4) Can't be determined (5) None of these

17. Which lecture is scheduled on Friday?

(1) Economics (2) Psychology

(3) Computer Science

(4) Can't be determined

(5) None of these

18. How many lectures were scheduled between Economics and Psychology?

(1) One (2) Two (3) Three

(4) Can't be determined (5) None of these

(5) None of these

19. Which day is Computer Science scheduled?

(1) Monday (2) Wednesday

(3) Thursday (4) Can't be determined

(5) None of these

20. Which day is the 'off' day?

(1) Tuesday (2) Wednesday

(3) Friday (4) Can't be determined

(5) None of these

21. If someone wants to attend only two lectures out of Psychology, Research Methods and Computer Science but wants the two days to be successive (One after the other) then which lecture-combination may be selected?

(1) Research Methods, Computer Science

(2) Psychology, Computer Science

(3) Psychology, Research Methods

(4) Any two of the three is possible

(5) With the condition of successive day it is not possible

Directions (22 - 26): Study the following information carefully and answer the given questions.

Seven conferences on Marketing, Finance, HR, Real Estate, Hospitality, Management, and Banking were scheduled to be held in Mumbai, Pune, Delhi, Hyderabad, Indore, Bhopal and Chennai on one day in a week starting from Monday and

ending on Sunday.

Conference on Hospitality was held in Hyderabad on Friday. Only one conference was held between conference on hospitality and Finance. Conference on Management was held immediately after HR but immediately before Banking. Conference on Management was not held in Indore. The conference held on Monday was held in Delhi. Only one conference was held between conferences on Banking and the conference held in Mumbai. The conference on HR was not held in Mumbai. Conference in Pune was held immediately before the conference in Indore. Conference on Real Estate was not held on Monday. Conference in Chennai was not held after conference in Mumbai.

22. If Delhi is related to Pune and Banking is related to Real Estate in a certain way, then to which of the following would Indore be related to, following the same pattern?
(1) Bhopal (2) Chennai (3) Mumbai
(4) Delhi (5) None of these
23. In which of the following cities was conference on Banking held?
(1) Chennai (2) Mumbai (3) Delhi
(4) Bhopal (5) Indore
24. How many conferences were held between conferences on Marketing and Real Estate?
(1) None (2) One (3) Two
(4) Three (5) Four
25. On which of the following days was the conference on HR held?
(1) Monday (2) Tuesday
(3) Wednesday (4) Thursday (5) Friday
26. Which of the following conferences was held on Monday?
(1) Banking (2) Management
(3) HR (4) Marketing
(5) Can't be determined

Directions (27 - 31): Study the following information and answer the questions given:

Seven representatives of a company - Samir, Nita, Richa, Shweta, Gifty, Paul and Mohit travelled to three different countries i.e. South Africa, Australia and France.

Each of them travelled on different days of the week (no two persons travelled on the same day), starting on Monday and ending on Sunday. Minimum two people travelled to each country and South Africa is the only country to which three people travelled.

Samir travelled to South Africa on Monday. Paul travelled to Australia but neither on Tuesday nor on Saturday. Mohit travelled on Sunday but not to France. The one who travelled to Australia travelled on Tuesday and the one who travelled to France travelled on Saturday. Gifty travelled on Wednesday. Richa travelled to South Africa but not on Thursday. Nita did not travel to France.

27. If everyone's trip is postponed by one day, who will be travelling on Wednesday?
(1) Paul (2) Richa (3) Nita
(4) Gifty (5) None of these
28. Who amongst the seven representative travelled on Saturday?
(1) Shweta (2) Nita (3) Richa
(4) Can't be determined (5) None of these
29. Which one of the following combinations is true according to the given information?
(1) Paul - Thursday - South Africa
(2) Shweta - Wednesday - France
(3) Mohit - Monday - South Africa
(4) Richa - Friday - Australia
(5) None is true
30. To which country and on which day did Nita travel?
(1) South Africa, Wednesday
(2) Australia, Friday
(3) Australia, Thursday
(4) Australia, Tuesday
(5) None of these
31. Who was the last one to travel?
(1) Samir (2) Richa (3) Mohit
(4) Shweta (5) None of these

Directions (32 - 36): Study the following information carefully and answer the given questions:

One of the seven subjects viz. Maths, Zoology, Botany, Chemistry, Physics, English and Statistics is taught one day each in a week starting from Monday and

ending on Sunday. Chemistry is taught on Thursday. English is taught the day immediately next to the day when Zoology is taught. English is neither taught on Tuesday nor on Saturday. Only one lecture is held between Chemistry and Botany. Two lectures are scheduled between Maths and Zoology. Statistic is neither taught on Monday nor Sunday.

32. On which of the following days is Physics taught?
 (1) Monday (2) Tuesday
 (3) Wednesday (4) Thursday (5) Friday
33. How many subjects are taught between Botany and Zoology?
 (1) None (2) One (3) Two
 (4) Three (5) Four
34. Which of the following subject is taught on Saturday?
 (1) Botany (2) Statistics (3) Zoology
 (4) Maths (5) Physics
35. On which of the following days is Statistics taught?
 (1) Tuesday (2) Wednesday
 (3) Thursday (4) Friday
 (5) Can't be determined
36. If Statistics is related to Zoology and Physics is related to Botany in a certain way, then to which of the following would Chemistry be related to, following the same pattern?
 (1) Maths (2) Statistics (3) Physics
 (4) English (5) Can't be determined

Directions (37 - 39): Study the following information and answer the given questions:

A building has seven floors numbered one to seven in such a way that the ground floor is numbered one, the floor above it, number two and so on such that the topmost floor is numbered seven. One out of seven people viz. A, B, C, D, E, F and G lives on each floor. A lives on fourth floor. E lives on the floor immediately below F's floor. F does not live on the second or the seventh floor.

C does not live on an odd numbered floor. B does not live on a floor immediately above or below C's floor. D does not live on the topmost floor. G does not live on any floor below E's floor.

37. Who lives on the topmost floor?
 (1) B (2) C (3) E
 (4) G (5) Can't be determined
38. Who lived immediately above D's floor?
 (1) A (2) B (3) C
 (4) F (5) G
39. Four of the following five are asked in a certain way and so form a group. Which is the one that does not belong to that group?
 (1) F (2) D (3) B
 (4) G (5) C

Directions (40 - 44): Study the following information and answer the questions that follow:

Six friends - Deepak, Varun, Anit, Nilesh, Rajesh and Siddharth are studying six different specializations of engineering which are - metallurgy, telecommunication, software, mechanical, electrical and hardware not necessarily in the same order. Each one likes a different sport - hockey, cricket, swimming, football, badminton and tennis, again not in the same order.

Nilesh is not studying hardware. Rajesh is studying software and likes hockey. Anit likes swimming and is not studying hardware. The one who likes football is studying electrical. Siddharth is studying mechanical and does not like tennis. The one who likes badminton is studying telecommunication. Deepak and Varun do not like badminton. Deepak does not like tennis.

40. Which specialisation is Varun studying?
 (1) Metallurgy (2) Mechanical
 (3) Hardware (4) Electrical
 (5) None of these
41. Which sport does Deepak like?
 (1) Football (2) Cricket (3) Hockey
 (4) Can't be determined (5) None of these
42. Which of the following person - specialisation combination is correct according to the given information?
 (1) Nilesh - Hardware
 (2) Varun - Electrical
 (3) Anit - metallurgy
 (4) Siddharth - Software
 (5) None is correct

Directions (43 - 44): If all six friends are asked

sit in a straight line facing North, in an alphabetical order (according to their names), from left to right, then-

43. Who will immediate left to the one studying electrical?
- (1) The one who likes badminton
 - (2) The one who is studying telecommuni-cation
 - (3) The one who is studying hardware
 - (4) The one who likes hockey
 - (5) None of these
44. Which of the following combinations will represent the favourite sport of the immediate neighbours of Rajesh?
- (1) Badminton - Football
 - (2) Cricket - Tennis
 - (3) Cricket - Football
 - (4) Tennis - Football
 - (5) Badminton - Cricket

Directions (45 - 47): Study the following information to answer the given questions:

Six friends A, B, C, D, E and F working in the same office take different time to reach office. All of them take time in the multiples of ten in such a manner that the one who reaches office the earliest, reaches in 10 minutes and the one who takes maximum time reaches office in 60 minutes. D takes more time than E but less time than A. A reaches in 30 minutes. B takes less time than only F.

45. How much time does C take to reach office?
- (1) 60 minutes (2) 50 minutes
 - (3) 40 minutes (4) 20 minutes
 - (5) Can't be determined
46. Who amongst the following takes maximum time to reach office?
- (1) B (2) C (3) D
 - (4) F (5) Can't be determined
47. How many people take more time to reach office than D?
- (1) Four (2) Three (3) Two
 - (4) One (5) None

Directions (48 - 52): Study the following information to answer the given questions:

Twelve friends A, B, C, D, E, F, G, H, I, J, K

and L were born on different months of a year. A was born in April and G was born in August. J was born in the month next to that of K but immediately before to that of C. J was born neither in October nor in February. There is two month gap between the birth of L and B. The month in which L was born had only 30 days. D was born in the month immediately after. The month is which D was born had 31 days. There is 1 month gap between the birth of B and F. E and H were born in the months of 31 days.

48. In which month B was born?
- (1) December (2) June (3) March
 - (4) November (5) September
49. Four out of five are alike in a certain way and hence form a group. Which of the following does not fall in that group?
- (1) L (2) A (3) J
 - (4) K (5) B
50. Who has born in January?
- (1) J (2) L (3) Either E or H
 - (4) C (5) I
51. How many persons celebrate their birthday after F?
- (1) None (2) One (3) Two
 - (4) Five (5) Four
52. I is related to A and B to J in a certain way on the basis of the month in which they were born. On the same basis to whom is L related?
- (1) G (2) A (3) K
 - (4) E (5) H

Answers with Explanation:

1 - 7:

Bottle :	N	M	O	L	Q	P
	↓	↓	↓	↓	↓	↓
Colour :	Red	White	Blue	Pink	Violet	Green

1. 4; Others are not adjacent.

2. 1 3. 3 4. 3

5. 2;

N	M	O	L	Q	P
L	M	N	O	P	Q

6. 2 7. 1

8-14:

Serial No.	Day	Play	Time Period
1.	Monday	C	1½ hours
2.	Tuesday	A	1 hour
3.	Wednesday	E	2½ hours
4.	Thursday	F	3 hours
5.	Friday	No Play	Nil
6.	Saturday	D	2 hours
7.	Sunday	B	½ hour

8.4 9.3 10.2 11.2 12.5; Four

13-14:

Serial No.	Day	Play	Time Period
1.	Monday	D	2 hours
2.	Tuesday	C	1½ hours
3.	Wednesday	A	1 hour
4.	Thursday	E	2½ hours
5.	Friday	F	3 hours
6.	Saturday	No Play	Nil
7.	Sunday	B	½ hour

13.2 14.4

15-21:

Serial No.	Day	Subject
1.	Monday	Organizational Behaviours
2.	Tuesday	Psychology
3.	Wednesday	Statistics
4.	Thursday	Computer Science
5.	Friday	Research Methods
6.	Saturday	Off day
7.	Sunday	Economics

15.5; Economics

16.5; 5-1

17.5; Research Method

18.3 19.3

20.5; Saturday

21.1

22-26:

Serial No.	Day	Specialization	City
1.	Monday	Marketing	Delhi
2.	Tuesday	HR	Chennai
3.	Wednesday	Management	Pune
4.	Thursday	Banking	Indore
5.	Friday	Hospitality	Hyderabad
6.	Saturday	Real Estate	Mumbai
7.	Sunday	Finance	Bhopal

22.5 23.5 24.5 25.2 26.4

27-31:

Serial No.	Country	Person (Day)
1.	South Africa	Samir (Mon), Richa (Fri), Mohit (Sun)
2.	Australia	Paul (Thu), Nita (Tue)
3.	France	Shweta (Sat), Gifty (Wed)

27.3 28.1 29.5 30.4

31.3; Note that the last one travelled on Sunday.

32-36:

Serial No.	Day	Subject
1.	Monday	Physics
2.	Tuesday	Botany
3.	Wednesday	Maths
4.	Thursday	Chemistry
5.	Friday	Statistics
6.	Saturday	Zoology
7.	Sunday	English

32. 1 33. 4 34. 3 35. 4 36. 2

Serial No.	Floor	Person
1.	F - 7	G
2.	F - 6	C
3.	F - 5	D
4.	F - 4	A
5.	F - 3	F
6.	F - 2	E
7.	F - 1	B

45 - 47:

Serial No.	Person	Time
1.	E	10 minutes
2.	D	20 minutes
3.	A	30 minutes
4.	C	40 minutes
5.	B	50 minutes
6.	F	60 minutes

45. 3 46. 4 47. 1

48 - 52:

37. 4 38. 3

39. 5; Others live on odd numbered floors.

40 - 44:

Serial No.	Person	Specialization	Sport
1.	Rajesh	Software	Hockey
2.	Anit	Metallurgy	Swimming
3.	Deepak	Electrical	Football
4.	Siddharth	Mechanical	Cricket
5.	Nilesh	Telecommunication	Badminton
6.	Varun	Hardware	Tennis

40. 3 41. 1 42. 3

43 - 44:

Anit Deepak Nilesh Rajesh Siddharth Varun

43. 5; Anit - Metallurgy - Swimming

44. 5

Serial No.	Month	Person
1.	January	H or E
2.	February	I
3.	March	D
4.	April	A
5.	May	E or H
6.	June	L
7.	July	F
8.	August	G
9.	September	B
10.	October	K
11.	November	J
12.	December	C

48. 5

49. 4; Others born in the months consisting 30 days

50. 3 51. 4 52. 1