

# Reasoning Puzzles - Workbook

## PUZZLES

### SET 1

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

Seven persons namely Paramjit, Tarun, Morya, Jeeva, Vaani, Ram and Waqar are good friends and are studying in M.Com, M.A. and M.Sc courses. Three are doing M.Com, two are in M.A. and another two are in M.Sc. Each of them has a very distinct and favorite color choice ranging from blue, red, yellow, white, black, pink and brown but not necessarily in the same order. None doing M.Com like either red or black. Morya is doing M.A. and he likes blue. Ram is doing M.Sc and likes brown. Jeeva is doing M.Com and likes yellow. Paramjit who does not like red is in the same discipline of Ram. Tarun is in the same discipline of Morya. Vaani does not like pink.

Q1. Which among the following groups is doing M. Com?

- a) Jeeva, Vaani and Waqar
- b) Vaani, Waqar and Tarun
- c) Jeeva, Vaani and Tarun
- d) Jeeva, Paramjit and Ram

Q2. What is the color combination choice of those who are in M.Sc discipline?

- a) Brown and Pink
- b) Black and White
- c) Black and Brown
- d) Yellow and Black
- e) None of The Above

Q3. Which color does Vaani like?

- a) Yellow
- b) Pink
- c) White
- d) Brown
- e) None of The Above

Q4. What is the color combination choice of those who are in M.A. discipline?

- a) Red and Black
- b) Blue and Red
- c) Blue and Black
- d) None of The Above

Q5. Morya is related with which discipline?

- a) M.Sc.
- b) M.A.
- c) M.Com

#### Solution

Persons	Courses	Colors
Jeeva	M.Com	Yellow
Vaani	M.Com	White

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Waqar	M.Com	Pink
Morya	M.A.	Blue
Tarun	M.A.	Red
Ram	M.Sc.	Brown
Paramjit	M.Sc.	Black

- Answer 1. (Option A)  
Answer 2. (Option C)  
Answer 3. (Option C)  
Answer 4. (Option B)  
Answer 5. (Option B)

### SET 2

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

M, K, J, T, R, D and W are seven members of a family. There are two married couples among them belonging to two different generations. Each of them has a different choice of cuisine - Chinese, Continental, Thai, Punjabi, South India, Gujarati and Malwani. The grandfather in the family likes Gujarati food. None of the ladies likes Continental or Thai food. T is the son of M, who likes Chinese food. W is J's daughter-in-law and she likes South Indian food. K is grandfather of D, who likes Punjabi food. J is mother of R, who likes Continental food.

1) How is R related to D?

- (a) Father (b) Brother (c) Uncle (d) Data inadequate  
(e) None of these

2) How many male members are there in the family?

- (a) 3 (b) 4 (c) 5 (d) Data inadequate  
(e) None of these

3) Which of the following group contains one each from the same generations?

- (a) JRT (b) JRW (c) MRD (d) MWT  
(e) None of these

4) Which food does T like ?

- (a) Gujarati (b) Thai (c) Malwani (d) Data inadequate  
(e) None of these

5) Which of the following combinations represents favourite food of the two married ladies ?

- (a) Malwani, South Indian (b) South Indian, Punjabi  
(c) Punjabi, Malwani (d) Data inadequate  
(e) None of these

### ANSWERS

1. (c) R is the brother of M, who is father of D. So, R is uncle of D.  
2. (d) We can not determine because there is nothing mentioned about D in the question.

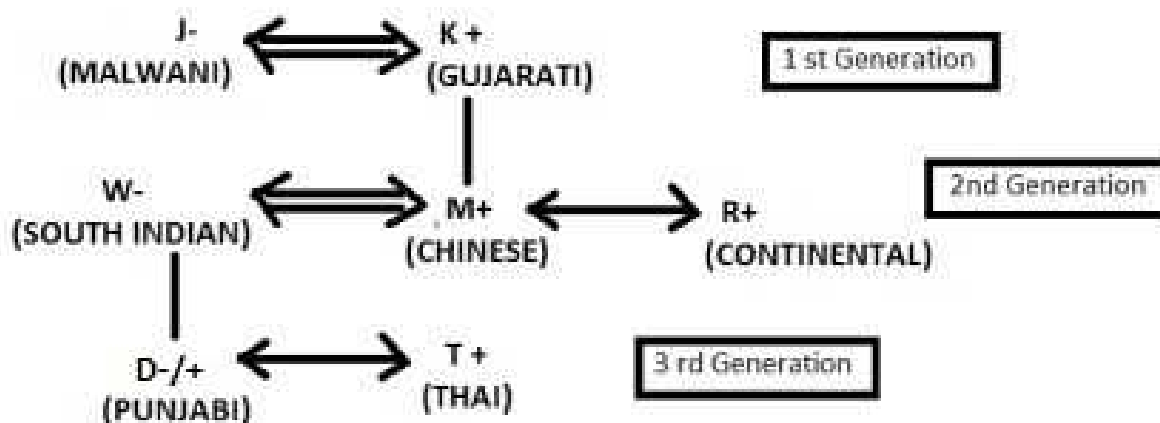
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3 (a) J belongs to 1st generation, R belongs to 2nd generation and T belongs to 3rd generation.

4 (b) Thai food

5 (a) J likes Malwani and W likes South Indian.

### SOLUTION



+ denotes Male  
 - denotes Female  
 single arrow denotes brother/ sister  
 double arrow denotes couples

PERSON	CUISINE	GENERATION	RELATIONSHIPS
K (MALE)	GUJARATI	1 <sup>st</sup>	FATHER OF M AND R GRANDFATHER OF D AND T
J (FEMALE)	MALWANI	1 <sup>st</sup>	WIFE OF K
M (MALE)	CHINESE	2 <sup>nd</sup>	SON OF K AND J
W (FEMALE)	SOUTH INDIAN	2 <sup>nd</sup>	WIFE OF M
R (MALE)	CONTINENTAL	2 <sup>nd</sup>	BROTHER OF M
D (MALE/FEMALE)	PUNJABI	3 <sup>rd</sup>	SON/DAUGHTER OF M & W
T (MALE)	THAI	3 <sup>rd</sup>	SON OF M

## SET 3

Read the following passage carefully and answer the question given below it.

Six friends Abhi, Deep, Myank, Prince, Rambo and Sumit married within a year in the months of February, April, July, September, November and December and in the cities of Ahmedabad,

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Bengaluru, Chennai, Delhi, Mumbai and Kolkata but not necessarily following the above order. The brides names were Geetu, Jasmeet, Harman, Bindia, Inpreet and Vanshika, once again not following any order. The following are some facts about their weddings.

- (i) Myank's wedding took place in Chennai, however he was not married to Geetu or Vanshika
- (ii) Abhi's wedding took place in Ahmedabad and Rambo's in Delhi; however neither of them was married to Jasmeet or Bindia.
- (iii) The wedding in Kolkata took place in February
- (iv) Harman's wedding took place in April, but not in Ahmedabad
- (v) Geetu and Inpreet got married in February and November and in Chennai and Kolkata but not following the above order
- (vi) Prince visited Bengaluru and Kolkata only after his marriage in December
- (vii) Sumit was married to Jasmine to September

**Q1. Harman's husband is**

- a) Abhi                      b) Deep                      c) Rambo  
d) Prince                    e) Myank

**Q2. Deep's wedding took place in**

- a) Bengaluru                b) Mumbai                c) Kolkata  
d) Delhi                      e) Chennai

**Q3. In Mumbai, the wedding of one of the friends took place in the month of**

- a) April                      b) September              c) November  
d) December                e) July

**Q4. Sumit's wedding was held in**

- a) Bengaluru                b) Chennai                c) Kolkata  
d) Delhi                      e) Mumbai

**Q5. Geetu was married to \_\_\_\_\_**

- a) Mayank                    b) Deep  
c) Princ                      d) None of these

### Solution

- Answer 1.**                    **Option c)**  
**Answer 2.**                    **Option c)**  
**Answer 3.**                    **Option d)**  
**Answer 4.**                    **Option a)**  
**Answer 5.**                    **Option b)**

Husband	Wife	Place	Month
Abhi	Vanshika	Ahmedabad	July
Deep	Geetu	Kolkata	February
Myank	Inpreet	Chennai	November
Prince	Bindia	Mumbai	December

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Rambo	Harman	Delhi	April
Sumit	Jasmeet	Bengaluru	September

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### **SET 4**

**Directions (Q. 1-5) Study the following information carefully and answer the questions given below :-**

Five friends Pawan, Qureshi, Rajan, Sultan and Tango are Musician, Architect, Doctor, Engineer and Artist by profession and like White, Blue, Red, Yellow and Green colour but not necessarily in that order. Their hobbies are Net Surfing, Gardening, Reading, Painting and Dancing but not necessarily in the same order.

- The person whose hobby is dancing preferred lemonade to cola while others preferred cola to lemonade in beverages.
- The four friends who took cola were Pawan, the one who is an Engineer, the person whose favourite colour is Green and the one whose hobby is net surfing.
- Sultan did not take lemonade and his favourite colour is White.
- Qureshi's favourite colour is Blue. He did not like lemonade.
- Tango's hobby is not painting, reading or gardening.
- Sultan clicks a picture of his friend who is an Engineer.
- The person whose favourite colour is Red likes painting and the person who is artist likes gardening.
- Sultan is not a doctor. The person who is a doctor takes cola. The person who is an Engineer likes Blue colour.
- The musician's favourite colour is not Yellow. Rajan's favourite colour is Green.

**Q1. Who among the following is a Doctor?**

- a) Rajan                      b) Pawan                      c) Sultan  
d) Can't say                      e) None of these

**Q2. Qureshi's hobby is**

- a) Reading                      b) Painting                      c) Gardening  
d) Can't say                      e) None of these

**Q3. The person who likes Blue colour is a/an**

- a) Architect                      b) Musician                      c) Engineer  
d) Can't say                      e) None of these

**Q4. Whose favourite colour is Yellow?**

- a) Tango                      b) Rajan                      c) The one who is an artist  
d) Can't say                      e) None of these

**Q5. Which of the following combinations is not correctly matched?**

- a) Tango-Architect-Yellow-Dancing-Cola  
b) Rajan-Artist-Green-Gardening-Cola  
c) Qureshi-Engineer-Blue-Reading-Cola  
d) Pawan-Doctor-Red-Painting-Cola

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e) None of these

### Answers

Q 1) B

Q 2) A

Q 3) C

Q 4) A

Q 5) A

P — Cola — Red — Doctor — Painting  
Q — Cola — Blue — Engineer — Reading  
R — Cola — Green — Artist — Gardening  
S — Cola — White — Musician — Net Surfing  
T — Lemonade — Yellow — Architect — Dancing

## SET 5

### Question:-

Arti, Baby, Chandni, Dolly, Esha, Falguni, Gopi and Himani are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The one who sits at the four corners face the centre of the table while those who sit in the middle of the sides faces outside.

Each of them likes a different subject - Mathematics, Hindi, English, Biology, Chemistry, Physics, History and Geography. (None of the information given is necessarily in the same order)

- Chandni sits third to the left of the person who likes Geography. The one who likes Geography faces outside. There are only two persons sit between Chandni and Himani.
- Dolly sits on the immediate left of the one who likes Physics. Gopi does not like Physics.
- Esha likes History. Esha is not immediate neighbour of Arti.

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- The person who likes Hindi is an immediate neighbour of Esha.
- The person who likes Biology is an immediate neighbour of Falguni.
- The one who likes Mathematics sits in the immediate right of Himani. The one who likes Chemistry sits second to the right of Gopi. G is neither an immediate neighbour of Himani nor Chandni. Gopi does not like Geography.
- There is only one person sits between Arti and the one who likes Chemistry.

**(A)** Who among the following sits diagonally opposite the one who likes Mathematics?

- 1) The one who likes Hindi
- 2) Dolly
- 3) Arti
- 4) The one who likes English
- 5) The one who likes Biology

**(B)** Who among the following represent the immediate neighbours of the one who likes Chemistry?

- 1) Baby, Falguni
- 2) Chandni, Esha
- 3) Baby, Esha
- 4) Dolly, Falguni
- 5) Falguni, Himani

**(C)** Who among the followings select exactly between Himani and Baby?

- 1) Chandni
- 2) The one who likes Hindi
- 3) The one who likes Biology
- 4) Gopi
- 5) Arti

**(D)** Which of the following is true regarding Baby?

- 1) Baby is one of the immediate neighbours of Dolly
- 2) The one who likes Geography is an immediate neighbour of Baby
- 3) Baby sits second to the left of Himani
- 4) Baby likes History
- 5) Baby is the immediate neighbour of the one who like Mathematics.

**(E)** What is the position of the one who likes Physics with respect to Gopi?

- 1) Second to the Left
- 2) Third to the right
- 3) Fourth to the left
- 4) Second to the right
- 5) Third to the left

**(F)** Which of the following subjects does Dolly like?

- 1) Biology
- 2) Mathematics.
- 3) Hindi
- 4) Chemistry
- 5) English

**(G)** Who among the following likes Geography?

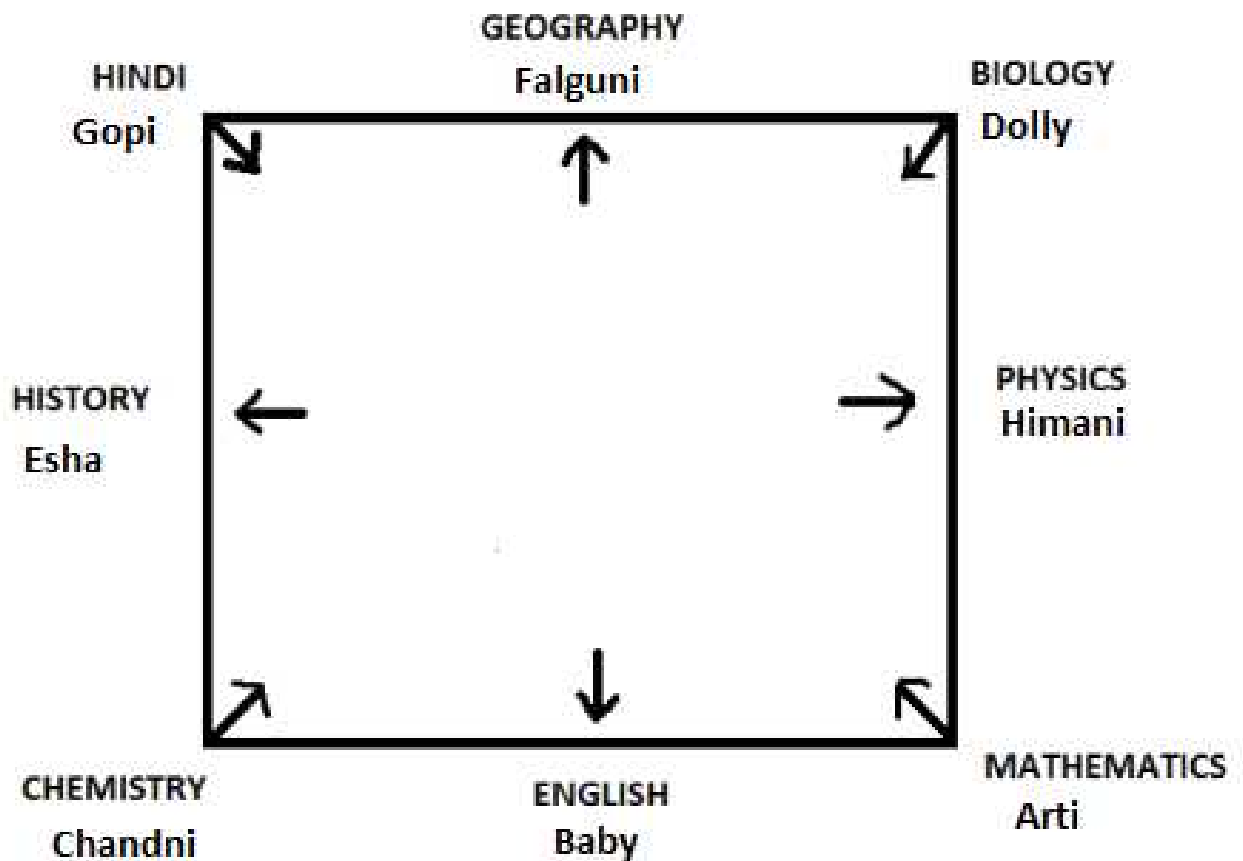
- 1) Baby
- 2) Faguni
- 3) Himani
- 4) Arti
- 5) Dolly

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**ANSWERS**

- (A) 1  
 (B) 3  
 (C) 5  
 (D) 5  
 (E) 5  
 (F) 1  
 (G) 2

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**SOLUTION****SET 6****Question:-**

Four people were being interviewed for the same job, on the same day but in different rooms(R1, R2, R3 and R4), at different time and by different interviewers.(First sentence – what do you do? Make a table!)

Determine which candidate was interviewed by whom, at which time and in which room.(What can be arranged first in the table? What can logically be the first coloumn? – Room numbers, because other information cannot be logically arranged!)



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- (i) Teena's appointment was just after Mr. Sharma's, which was just after that of the person in room R2.
- (ii) Mr. Narurkar's appointment was atleast two hours later than Bimal's.
- (iii) Mr. Joshi's appointment was just after the person who had an interview in room R4, who had an appointment just after Chirag.
- (iv) Three of the four people were: (1)Deepak, (2) the one with interview in room R1, and (3) the one who was interviewed at 1 p.m.(this is a crazy one!)
- (v) Interview times were – 11 a.m., 12 noon, 1 p.m., and 2 p.m.(This could be a row heading.
- (vi) Sharma, Narurkar, Joshi and Zaidi were interviewers and Teena, Bimal, Chirag and Deepak were the interviewees.

Q1. Sharma's appointment is with

- (a) Teena  
 (b) Bimal  
 (c) *Chirag*  
 (d) Deepak

Q2. Deepak's appointment was in room

- (a) R1  
 (b) *R3*  
 (c) R2  
 (d) R4

Q3. Mr. Zaidi interviewed

- (a) Deepak  
 (b) Teena  
 (c) *Bimal*  
 (d) Chirag

Q4. Who interviewed at 2 p.m.?

- (a) *Mr. Joshi*  
 (b) Mr. Zaidi  
 (c) Mr. Narurkar  
 (d) Mr. Sharma

Q5. Which candidate was interviewed last?

- (a) *Deepak*  
 (b) Teena  
 (c) Bimal  
 (d) Chirag

The option in *italics* is the correct answer. How many did you get right?! And a sample table of the

### SOLUTION:

Interviewee	Interviewer		11 a.m.	12 p.m.	1 p.m.	2 p.m.
Chirag	Sharma	R1	X	<b>Definite</b>	X	X
Bimal	Zaidi	R2	<b>Definite</b>	X	X	X
Deepak	Joshi	R3	X	X	X	<b>Definite</b>
Teena	Narurkar	R4	X	X	<b>Definite</b>	X

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### **SET 7**

Read the following information carefully and answer the questions which follow.

Five friends A, B, C, D, and E are working in 5 different departments M, N, O, P and Q and they earn different salaries i.e. 10,000, 15,000, 20,000, 25,000 and 30,000 and they all are of different ages i.e. 24, 26, 28, 30 and 32 years. These all informations are not necessarily in the same order.

- B works in department M and earns more than 20,000. Person who is 28 years old works in department Q. 32 years old person earns at least 20,000.
- The person who is 26 years old earns 25,000. A earns 15,000, but does not work in department N or P.
- Person who is 30 years old earns highest salary but does not work in department M and N. E does not work in department P or Q, and his age is not 32. The salary of D is less than 20,000.

1. Who works in department N?  
a) B                                    b) C                                    c) D  
d) **Can't be determined**            e) None of these
2. If the name of the person represents its salary then which of the following is true?  
a)  $A + B = C$                             b)  $C + D = B$                             c)  $D + E = B$   
d) Can't be determined            e) **None of these**
3. Which of the following combination is definitely true?  
a) B-30 years-M-30,000  
b) D-24 years-N-10,000  
c) A-24 years-P-15,000  
d) **E-30 years-O-30,000**  
e) None of these
4. The person whose age is 30 works in which department?  
a) M                                    b) N                                    c) **O**  
d) P                                    e) None of these

**Answers:**

1. Option D
2. Option E
3. Option D
4. Option C

### **SET 8**

**Directions (1-5):** Read the following information carefully and answer the questions given below it—

Six exams Maths, science, History, Economics, English and Hindi are to be scheduled starting from 2nd March and ending on 8th march with Sunday being an off day, not

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necessarily in the same order. Each of the exam has different time duration: 40 mins, 50 mins, 60 mins, 75 mins, 90 mins and 100 mins, again not necessarily in the same order.

8th march is not sunday and an exam of 40 mins is scheduled on that day. Maths exam is for less than 60 mins and is scheduled immediately before English exam. There are two exams scheduled between Hindi exam which is for 100 mins and History exam which is for 60 mins. English exam is before Sunday and there are two days between sunday and maths exam. Economics exam which is for 75 mins is not scheduled on 2ndmarch. The exam schedules on saturday is of 100 mins.

1. How many exams are scheduled before sunday?
  - (1) Two
  - (2) One
  - (3) Five
  - (4) Three
  - (5) None of these
  
2. Which of the following combinations of exam - Day - Time Duration is correct ?
  - (1) English - Wednesday - 75 mins
  - (2) Maths - Thursday - 50 mins
  - (3) History - Thursday - 60 mins
  - (4) Hindi - Tuesday - 100 mins
  - (5) None is correct
  
3. What is the time duration of science exam?
  - (1) 90 mins
  - (2) 75 mins
  - (3) 50 mins
  - (4) 40 mins
  - (5) None of these
  
4. On which day is Economics exam scheduled?
  - (1) Monday
  - (2) Saturday
  - (3) Tuesday
  - (4) Friday
  - (5) Cannot be determined
  
5. Which day is sunday?
  - (1) 3rd march
  - (2) 2nd march
  - (3) 5th march
  - (4) 6th march
  - (5) Cannot be determined

### Solutions

Solutions (1-5):

Date	Day	Exam	Time Duration
2nd March	Wednesday	History	60 mins
3rd March	Thursday	Maths	50 mins
4th March	Friday	English	90 mins
5th March	Saturday	Hindi	100 mins
6th March	Sunday	Off	Off
7th March	Monday	Economics	75 mins
8th March	Tuesday	Science	40 mins

1. (5)

2. (2)
3. (4)
4. (1)
5. (4)

## SET 9

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**Directions (6-12):** Each of these questions are based on the information given below:

P, Q, R, S, W, X, Y, Z are sitting around a circle facing centre but not necessarily in the same order. The husband of Z is sitting second to the right of Q who is sitting between two males. X sits second to the left of the daughter of S. X is the sister of Y. X is not an immediate neighbour of Z's husband. Only one person sits between P and X. P is the father of Y. S who is brother of Z sits to the immediate left of his mother. Only one person sits between Z's mother and W. Only one person sits between Z and Y. Y is mother of R. Y is not an immediate neighbour of W.

6. Which of following is true with respect to the given seating arrangement?
  - (1) R is the cousin of W
  - (2) Z and Z's husband are immediate neighbour of each other.
  - (3) No female is an immediate neighbour of R.
  - (4) Z sits third to the left of her daughter.
  - (5) Q is the mother of Z.
7. What is the position of P with respect to his grandchild?
  - (1) immediate right
  - (2) third to the right
  - (3) third to the left
  - (4) Second to the right
  - (5) fourth to the right
8. Four of the following five are alike in a certain way. Which one does not belong to that group?
  - (1) X
  - (2) R
  - (3) W
  - (4) Z
  - (5) Y
9. What is position of P with respect to his mother-in-law?
  - (1) Immediate right
  - (2) third to the right
  - (3) third to the left
  - (4) second to the right
  - (5) None of these
10. How many people sits between Y and her uncle?
  - (1) One
  - (2) Two
  - (3) Three
  - (4) Four
  - (5) Five
11. . Who amongst the following is S's daughter?
  - (1) Q
  - (2) R
  - (3) W
  - (4) Y
  - (5) Z
12. Who sits to the immediate left of R?
  - (1) X's grandmother
  - (2) Y's son
  - (3) S's mother-in-law
  - (4) P
  - (5) Y

**Solutions (6-12):**

- 6. (5)
- 7. (1)
- 8. (2)
- 9. (4)
- 10. (3)
- 11. (3)
- 12. (1)

## **SET 10**

**Direction (1 – 5):** Read the following information and answer the questions that follow:

- (1) There are seven persons A, B, C, D, E, F and G based in Delhi. Each of them is from a different state, has a different profession, and plays a different instrument.
- (2) C, a doctor, is from Bihar.
- (3) E and F play mandolin and violin, though not necessarily in that order.
- (4) A is not from Kerala.
- (5) The person from Kerala is an engineer and plays guitar.
- (6) The lawyer plays sitar.
- (7) The businessman from UP plays violin.
- (8) The teacher and the cricketer play flute and piano, though not necessarily in that order.
- (9) F is a pilot.
- (10) The Maharashtra is a teacher.
- (11) The Gujarati plays piano.
- (12) G, a Punjabi, does not play sarod.
- (13) B is a cricketer.

1. Which state does A belong to?

- A) Gujarat
- B) Kerala
- C) Maharashtra
- D) Can't say
- E) None of these

2. Which instrument does B play?

- A) flute
- B) piano
- C) sarod
- D) Can't say
- E) sitar

3. Which instrument does C play?

- A) mandolin
- B) sitar
- C) violin
- D) None of these
- E) sarod

4. What is D's profession?

- A) Engineer
- B) Lawyer
- C) Teacher
- D) Can't say

E) Cricketer

5. Which state does E belong to?

- A) Gujarat
- B) Kerala
- C) UP
- D) Can't say
- E) none of these

### **SET 11**

**Directions (6 -10):** Study the following information and answer the given question.

Eight friends—J, K, L, M, N, O, P and Q live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. J lives on floor numbered 4. Only one person lives between J and L. O lives on the floor immediately below L. Only one person lives between O and P. P lives above O. O lives on floor numbered 5. Only one person live between K and N, M lives on an even numbered floor but does not live on floor numbered 8. K lives below Q's floor.

6. Four of the following five are alike as per the given arrangement and thus form a group. Which of the following does not belong to that group?

- (A) PO
- (B) QL
- (C) MJ
- (D) LJ
- (E) MN

7. Who lives exactly between the floors on which L and J live?

- (A) K
- (B) P
- (C) O
- (D) N
- (E) M

8. Who amongst the following lives on floor numbered 2?

- (A) M
- (B) L
- (C) O
- (D) Q
- (E) P

9. Which of the following is true about M as per given arrangement?

- (A) M lives on the lowermost floor.
- (B) K lives on one of the floor below M.
- (C) All the given statements are true.
- (D) Only two people live between M and O.
- (E) M lives on an odd numbered floor.

10. If L and Q interchange their places and so do M and J, who amongst the following will live between the floors on which M and P live, as per the given arrangement?

- (A) Only Q

- (B) No one
- (C) Only L
- (D) Both P and L
- (E) Both Q and O

### Answers

- 1. c
- 2. b
- 3. e
- 4. a
- 5. c
- 6. e
- 7. c
- 8. a
- 9. d
- 10. e

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## SET 12

**Directions (Questions 1 - 5):** Study the following information carefully to answer the given questions:

Madan and Rohit are in the same team of hockey. Parth defeated Rohit in badminton but lost to Sachin in tennis. Nitin teams with Sagar in football and with Sachin in hockey. Rohit defeated Sachin in chess. Those who play cricket do not play badminton, volleyball or tennis. Madan and Parth are in opposite teams of basketball. Nitin represents his state in cricket while Sagar does so at the district level. Boys who play chess do not play football, basketball or volleyball. Madan and Parth are together in the volleyball team. Boys who play football also play hockey.

1. Name the boys who do not play football.
  - (a) Sachin, Nitin
  - (b) Rohit, Sagar
  - (c) Rohit, Sachin
  - (d) Rohit, Nitin
  - (e) None of these
2. Who plays both hockey and tennis?
  - (a) Sachin
  - (b) Rohit
  - (c) Nitin
  - (d) Parth
  - (e) None of these
3. Which is the most popular game with this group?
  - (a) Cricket
  - (b) Hockey
  - (c) Football
  - (d) Badminton
  - (e) None of these
4. Who plays the largest number of games?
  - (a) Sagar
  - (b) Rohit

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- (c) Parth
- (d) Nitin
- (e) None of these

5. Which boy plays both badminton and hockey?

- (a) Sachin
- (b) Rohit
- (c) Nitin
- (d) Parth
- (e) None of these

### Answers

	Madan	Rohit	Parth	Sachin	Nitin	Sagar
Hockey	Y	Y		Y	Y	Y
Badminton		Y	Y		N	N
Tennis			Y	Y	N	N
Chess		Y		Y		
Football		N		N	Y	Y
Basketball	Y	N	Y	N		
Volleyball	Y	N	Y	N	N	N
Cricket					Y	Y

- 1. c
- 2. a
- 3. b
- 4. c
- 5. b

## SET 13

**Directions (Questions 6 - 10):** Study the following information carefully and answer the questions given below:

Seven boys A, D, Y, U, P, Q and J live in three different buildings – Ashiana, Top-view and Ridge. Each of them is flying kites of different colours i.e. red, green, blue white, black, yellow and pink, not necessarily in that order. Not more than three or less than two stay in any of the buildings. Q is flying a pink and does not live in Ridge building. U does not live in the same building as A or P and is flying a yellow coloured kite. D lives in Ridge building with only one more person and is flying a green kite. None in the Top-view building flies a white kite. P does not fly a blue kite.

6. Who live in Ridge building?

- (a) D, U
- (b) D, A, P
- (c) Y, A, P
- (d) A, P
- (e) None of these

7. Who is flying the blue kite?

- (a) A
- (b) J
- (c) P
- (d) Data inadequate
- (e) None of these



8. Who flies the red kite?

- (a) A
- (b) J
- (c) P
- (d) Data inadequate
- (e) None of these

9. Who stay in Top-view building?

- (a) Y, J, P
- (b) A, P
- (c) A, P, D
- (d) Y, U, J
- (e) None of these

10. What coloured kite is J flying?

- (a) Blue
- (b) White
- (c) Black
- (d) Data inadequate
- (e) None of these

**Solution**

Boy	Building	Kite
A	Top-View	Blue
D	Ridge	Green
Y	Top-View	Black
U	Ridge	Yellow
P	Top-View	Red
Q	Ashiana	Pink
J	Ashiana	White

- 6. a
- 7. a
- 8. c
- 9. e
- 10. b

**SET 14**

**Direction (1-5):** Read the following information carefully and answer the questions given below:

Six persons A, B, C, D, E and F are sitting around a round table facing towards the centre of the table in a restaurant. They have ordered for different items (Pizza, Strawberry, Vanilla, Burger, Pastries and Patties) as their lunch. They are wearing T-shirts of different colours, i.e. white, black, green, red, yellow and blue. Order of items for the lunch and colours of T-shirts are not necessarily according to the order of their names.

- I. The persons who have ordered for Pizza, Vanilla and Pastries are neither in white T-shirt nor in black.

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- II. The persons who are in green and yellow T-shirts have neither ordered for Pizza nor for Vanilla.
- III. A is neither in white T-shirt nor on the immediate left of the person who has ordered for Burger.
- IV. The only person who is between E and F eats Strawberry. The person who is on the left side of the person in white T-shirt does not eat Patties.
- V. D has ordered Burger and the colour of his T-shirt is green. He is facing the person who has ordered for Strawberry.
- VI. One who has ordered for Pizza is seated opposite to the person wearing blue T-shirt, while the person whose T-shirt is of green colour is on the left of the person who has ordered for Pastries.
- VII. One who has ordered for Patties is on the immediate right of the person in white T-shirt but on the immediate left of the person who has ordered for Vanilla.
- VIII. C has not ordered for Vanilla while F has not ordered for Pizza.

1. Who among the following is in white T-shirt?

- a) A
- b) B
- c) C
- d) E
- e) None of these

2. The only person, who is between E and D, is wearing T-shirt of the colour

- a) red
- b) blue
- c) black
- d) yellow
- e) None of these

3. Who among the following has ordered for Pastries?

- a) A
- b) B
- c) C
- d) E
- e) None of these

4. Which of the following is correctly matched?

- a) A - Yellow - Burger
- b) B - Red - Vanilla
- c) E - Red - Pizza
- d) F - Black - Pastries
- e) None of these

5. The colour of the T-shirt of the person, who has ordered for Patties, is

- a) red
- b) yellow
- c) blue
- d) black
- e) None of these

### Answers

- 1. C
- 2. D
- 3. A

- 4. C
- 5. D

### **SET 15**

**Directions (Questions 6 to 8):** Read the following information carefully and answer the questions given below:

- (i) There are five types of cards viz. A, B, C, D and E. There are three cards of each type. These are to be inserted in envelopes of three colours – Red, Yellow and Brown. There are five envelopes of each colour.
  - (ii) B, D and E type cards are inserted in red envelopes. A, B and C type cards are to be inserted in yellow envelopes and C, D and E type cards are to be inserted in brown envelopes.
  - (iii) Two cards each of B and D type are inserted in red envelopes.
6. Which of the following combinations of types of cards and the number of cards and colour of envelope is definitely correct?
- a) A-2, B-2, C-1 : Yellow
  - b) C-2, D-1, E-2 : Brown
  - c) C-1, D-2, E-2 : Brown
  - d) B-2, D-2, A-1 : Red
  - e) None of these
7. Which of the following combinations of colour of the envelope and the number of cards is definitely correct in respect of E-type cards?
- a) Red - 1, Yellow - 2
  - b) Yellow - 1, Brown - 2
  - c) Red - 2, Brown - 1
  - d) Red - 2, Yellow - 1
  - e) None of these
8. Which of the following combinations of the type of cards and the number of cards is definitely correct in respect of yellow coloured envelopes?
- a) A - 2, E - 1, D - 2
  - b) A - 2, B - 1, C - 2
  - c) A - 3, B - 1, C - 1
  - d) B - 1, C - 2, D - 2
  - e) None of these

#### **Answers**

- 6. b
- 7. e
- 8. c

**Directions (Questions 9 to 10):** Read the following information carefully and answer the questions given below:

Three persons A, B and C wore shirts of black, blue and orange colours (not necessarily in that order) and pants of green, yellow and orange colours (not necessarily in that order). No person wore pant and shirt of the same colour. Further, it is given that

- 1) A did not wear shirt of black colour.
- 2) B did not wear shirt of blue colour.
- 3) C did not wear shirt of orange colour.

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- 4) A did not wear pant of green colour.  
5) B wore pant of orange colour.

9. What were the colours of pant and shirt worn by C, respectively?

- a) Yellow and Black  
b) Yellow and Blue  
c) Green and Blue  
d) Orange and Black  
e) None of these

10. Who did not wear the orange colour?

- a) A  
b) B  
c) C  
d) A & C  
e) None of these

### Answers

9. c  
10. c

## SET 16

**Direction (1-5):** Read the following information carefully and answer the questions given below it :  
There are six persons A, B, C, D, E and F in school. Each of the teachers teaches two subjects, one compulsory subject and the other optional subject. D's optional subject was History while three others have it as compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are just reverse of those of D's. Chemistry is an optional subject of only one of them. The only female teacher in the school has English as her compulsory subject.

1. What is C's compulsory subject ?

- (a) History  
(b) Physics  
(c) Chemistry  
(d) English  
(e) Mathematics

2. Who is a female member in the group ?

- (a) A  
(b) B  
(c) C  
(d) D  
(e) E

3. Which of the following has same compulsory and optional subjects as those of F's ?

- (a) D  
(b) B  
(c) A  
(d) C

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(e) None of these

4. Disregarding which is the compulsory and which is the optional subject, who has the same two subject combination as F ?

- (a) A
- (b) B
- (c) E
- (d) D
- (e) None of these

5. Which of the following groups has History as the compulsory subject ?

- (a) A, C, D
- (b) B, C, D
- (c) C, D
- (d) A, B, C
- (e) A, D

### Answers

- 1. a
- 2. d
- 3. e
- 4. c
- 5. d

## SET 17

**Direction (6-10):** Read the following information carefully and answer the questions that follow:

- (i) Five friends P, Q, R, S and T travelled to five different cities of Chennai, Kolkata, Delhi, Bangalore and Hyderabad by different modes of transport of Bus, Train, Aeroplane, Car and Boat from Mumbai.
- (ii) The person who travelled to Delhi did not travel by boat
- (iii) R went to Bangalore by car and Q went to Kolkata by aeroplane
- (iv) S travelled by boat whereas T travelled by train
- (v) Mumbai is not connected by bus to Delhi and Chennai

6. Which of the following combinations of person and mode is not correct ?

- (a) P – Bus
- (b) Q – Aeroplane
- (c) R – Car
- (d) S – Boat
- (e) T – Aeroplane

7. Which of the following combinations is true for S ?

- (a) Delhi - Bus
- (b) Chennai - Bus
- (c) Chennai - Boat
- (d) Data inadequate
- (e) None of these

8. Which of the following combinations of place and mode is not correct ?

- (a) Delhi - Bus
- (b) Kolkata - Aeroplane

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- (c) Bangalore - Car
- (d) Chennai - Boat
- (e) Hyderabad – Bus

9. The person travelling to Delhi went by which of the following modes ?

- (a) Bus
- (b) Train
- (c) Aeroplane
- (d) Car
- (e) Boat

10. Who among the following travelled to Delhi ?

- (a) R
- (b) S
- (c) T
- (d) Data inadequate
- (e) None of these

### Solutions

- 6. E
- 7. c
- 8. a
- 9. b
- 10. c

## SET 18

**Directions (Q. 1 - 5):** Study the information carefully and answer the following questions:

A building has eight floors from 1 to 8 in such a way that ground floor is numbered 1, the above floor is numbered 2 and so on. The top most floor is numbered 8. Eight persons G, P, M, R, Q, A, D and C are staying each on one of these floors. A is staying on floor 6. There is a gap of three persons between G and R. C is staying on the topmost floor. Neither P nor M is staying on the floor 5. Q is staying middle of P and M. R is staying on the floor 1. M is not an immediate neighbor of G.

Q1. Who is staying on the floor no. 7?

- 1) A
- 2) P
- 3) D
- 4) R
- 5) M

Q2. How many persons are staying between D and P?

- 1) Three
- 2) Four
- 3) Two
- 4) One
- 5) None of these

Q3. Who is staying on the second floor?

- 1) Q
- 2) M
- 3) P

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- 4) A
- 5) Q or M

Q4. If all persons are arranged in alphabetical order such as A occupies floor 1 then who will occupy floor 5?

- 1) G
- 2) Q
- 3) R
- 4) M
- 5) P

Q5. Immediate neighbors of the person who is staying in floor 3?

- 1) R and P
- 2) A and P
- 3) G and M
- 4) P and M
- 5) D and G

### Solutions

- 1-3
- 2-3
- 3-2
- 4-4
- 5-4

Floor No.	Persons
8	C
7	D
6	A
5	G
4	P
3	Q
2	M
1	R

## SET 19

**Directions (Q. 6 - 10):** Study the information carefully and answer the following questions:

Eight friends – Romil, Ramesh, Rakesh, Rohit, Rahul, Abhijit, Abhishek and Anil – are sitting around a circular table, not necessarily in the same order. Four of them are facing inside others are facing outside. They are belong to eight different cities – Bhopal, Patna, Kolkata, Delhi, Gwalior, Bengaluru, Chennai and Rajkot, but not necessarily in the same order.

Abhijit faces the Centre and sits third to the right of Rakesh. Rohit belongs to Kolkata and faces the person who belongs to Bengaluru. Abhishek sits third to the right of Ramesh, who stays in Bhopal. The persons who belong to Delhi and Gwalior are facing to the same direction (inside or outside). Rahul is sitting between the person who belongs to Kolkata and the one from Rajkot respectively. Romil belongs to Gwalior and Rakesh belongs to Patna. The person who belongs to Chennai is facing

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outward and immediate neighbor of Rajkot. Anil is immediate neighbor of the persons who belong to Gwalior and Chennai. Rahul is immediate left of Rohit.

Q6. Who belongs to Bengaluru?

- 1) Romil
- 2) Rohit
- 3) Anil
- 4) Abhishek
- 5) Rahul

Q7. Immediate neighbors of Romil?

- 1) Romesh and Rakesh
- 2) Rahul and Rohit
- 3) Anil and Ramesh
- 4) Abhishek and Rahul
- 5) Rohit and Abhijeet

Q8. Which of the following pair is true?

- 1) Romil – Bhopal
- 2) Anil – Bengaluru
- 3) Rohit – Delhi
- 4) Abhijeet – Delhi
- 5) Abhishek – Patna

Q9. Position of Ramesh with respect to Rahul?

- 1) Third to the right
- 2) Fourth to the left
- 3) Fifth to the right
- 4) Second to the right
- 5) Third to the left

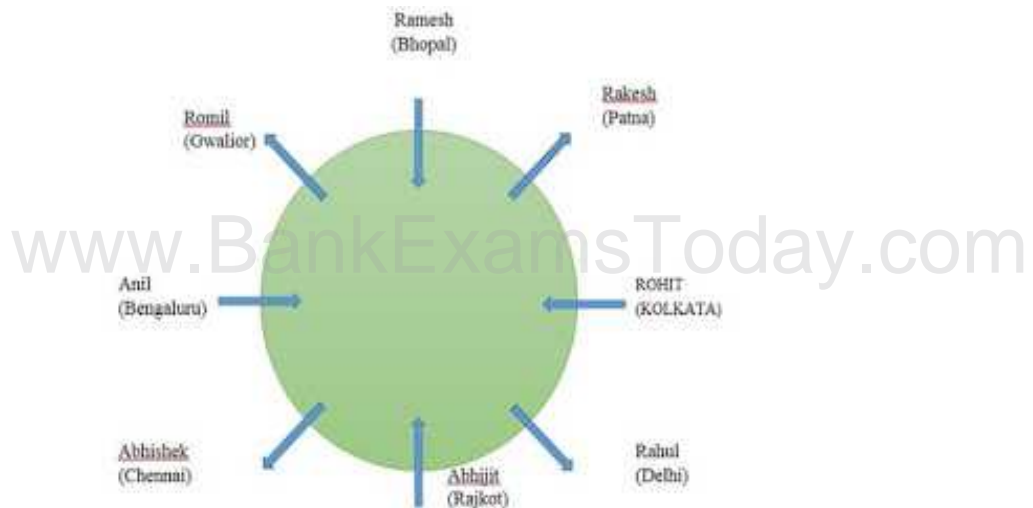
Q10. If Rohit and Anil interchange their positions and similarly Abhijeet and Rakesh interchange their positions then what is the position of Romil with respect to Rakesh?

- 1) Third to the left
- 2) Third to the right
- 3) Second to the left
- 4) Immediate left
- 5) None of these

### Solutions

- 6) 3
- 7) 3
- 8) 2
- 9) 5
- 10) 1





## SET 20

**Directions for questions:** These questions are based on the information given below.

Eight members – P, Q, R, S, T, U, V, W of a family are sitting around a circular table. The family members belong to three generations and each couple has at least one daughter and one son. Q, the grandfather of U, has more number of children than the number of grandchildren. S is opposite his mother T, who is adjacent to her granddaughter. V is to the immediate left of her brother-in-law. P's daughter R, is to the immediate right of her aunt W. P is third to the right of his sister.

1. **What is the position of R with respect to T?**
  - 1) Immediate left
  - 2) Immediate right
  - 3) Second to the left
  - 4) Second to the right
  - 5) Either (1) or (2)
  
2. **How many couples are there in the family?**
  - 1) One
  - 2) Two
  - 3) Three
  - 4) Four
  - 5) Cannot be determined
  
3. **What is the position of Q with respect to S?**
  - 1) Second to the left
  - 2) Immediate right
  - 3) Second to the right
  - 4) Immediate left
  - 5) Cannot be determined
  
4. **How is S related to U?**
  - 1) Uncle
  - 2) Mother

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- 3) Father
  - 4) Aunt
  - 5) Grand mother
5. Which of the following pairs are not siblings?
- 1) SW
  - 2) PS
  - 3) UR
  - 4) WP
  - 5) PV

### Solutions

- 1) 1
- 2) 2
- 3) 5
- 4) 1
- 5) 5

## SET 21

**Directions (1-5)** Study the following information and answer the following questions.

A, B, C, D, E, G, and I are seven friends who study in three different standards namely 5th, 6th, 7th such that not less than two friends study in the same standard. Each friend also has a different favourite subject namely History, Civics, English, Marathi, Hindi, Maths and Economics but not necessarily in the same order.

A like Maths and studies in 5th standard with only one other friends who likes Marathi. I studies with two other friends. Both the friends who study with I like language (here languages include only Hindi, Marathi and English).

D studies in 6th standard with only one person and does not like Civics. E studies with only one friend. The one who likes history does not study in 5th or 6th standard. E does not like languages. C does not like English, Hindi or Civics.

1. Which combination represents E's favourite subject and the standard in which he studies?

- (1) Civics and 7th
- (2) Economics and 5th
- (3) Civics and 6th
- (4) History and 7th
- (5) Economics and 7<sup>th</sup>

2. Which of the following is I's favourite subject?

- (1) History
- (2) Civics
- (3) Marathi
- (4) Either English or Marathi
- (5) Either English or Hindi

3. Who amongst the following studies in 7th standard?

- (1) G

- (2) C
- (3) E
- (4) D
- (5) Either D or B

4. Which of the combination is definitely correct?

- (1) I and Hindi
- (2) G and English
- (3) C and Marathi
- (4) B and Hindi
- (5) E and Economics

5. Which of the following subject does G like?

- (1) Either Maths or Marathi
- (2) Either Hindi or English
- (3) Either Hindi or Civics
- (4) Either Hindi or Marathi
- (5) Either Civics or Economics

**Answers:**

- 1 (3)
- 2 (1)
- 3 (1)
- 4 (3)
- 5 (2)

## SET 22

There are 5 houses in 5 different colours. In each house lives a person of a different nationality. The 5 owners drink a certain type of beverage, smoke a certain brand of cigar, and keep a certain pet.

**Using the clues below can you determine who owns the fish?**

- a) The Brit lives in a red house.
- b) The Swede keeps dogs as pets.
- c) The Dane drinks tea.
- d) The green house is on the immediate left of the white house.
- e) The green house owner drinks coffee.
- f) The person who smokes Pall Mall rears birds.
- g) The owner of the yellow house smokes Dunhill.
- h) The man living in the house right in the middle drinks milk.
- i) The Norwegian lives in the first house.
- j) The man who smokes Blend lives next door to the one who keeps cats.
- k) The man who keeps horses lives next door to the man who smokes Dunhill.
- l) The owner who smokes Blue Master drinks chocolate.
- m) The German smokes Prince.
- n) The Norwegian lives next to the blue house.
- o) The man who smokes Blend has a neighbor who drinks water.

**Answer:**

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This puzzle is usually attributed to Einstein, who may or may not have written it.

The German owns the fish and the table below details the full answer:

<b>Nationality</b>	Norweg	Dane	Brit	German	Swede
<b>Color</b>	Yellow	Blue	Red	Green	White
<b>Beverage</b>	Water	Tea	Milk	Coffee	Chocolate
<b>Smokes</b>	Dunhill	Blend	Pall Mall	Prince	Blue Master
<b>Pet</b>	Cats	Horses	Birds	Fish	Dogs

If in a cricket one day match, there were no wide balls, no wides, no extras and no overthrows. What is the maximum number of runs that a batsman can score in an ideal case scenario?

### Solution

1653

### Explanation:

For an ideal case, the batsman will hit a six on each ball. But if he hits six on the last ball of the over, the strike will change in the next over. Thus, the best he can do in the last ball is run 3 runs so that he retains the strike even in the next over. Thus the total runs that he can score in each over:  $6 * 5 + 3 = 33$

But this will have to go like it only till the 49th over. In the last over, he can hit a six in the last ball as well as that will be the last ball of the match. Thus runs for the last over will be  $6 * 6 = 36$ . Hence the maximum runs =  $33 * 49 + 36 = 1653$

## SET 23

Study the following information carefully to answer the questions given below.

A, B, C, D, E, F and G are 7 friends left for 7 different cities – Delhi, Chennai, Hyderabad, Bangalore, Kolkata, Chandigarh and Jaipur, each one on a different day of the week. C left for Jaipur on Monday. On the last day of the week, the person left for Bangalore. E left the next day of A who left for Chandigarh and on the previous day of G. D left for Kolkata on Friday. B didn't leave for either Hyderabad or Bangalore and G left for Delhi.

- On which day of the week did B leave ?  
A) Sunday  
B) Saturday  
C) Monday  
D) Tuesday  
E) None of these
- Who left for Bangalore ?  
A) E  
B) B  
C) G  
D) F

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- E)None of these
3. Who left on Tuesday ?  
A)A  
B)C  
C)G  
D)F  
E)None of these
4. On which day of the week did E leave ?  
A)Friday  
B)Sunday  
C)Wednesday  
D)Thursday  
E)None of these
5. Which of the following Combination is not right ?  
A)C – Jaipur  
B)F – Bangalore  
C)A – Chandigarh  
D)E – Kolkata  
E)None of these

### Solutions

Day	Person	City
Monday	C	Jaipur
Tuesday	A	Chandigarh
Wednesday	E	Hyderabad
Thursday	G	Delhi
Friday	D	Kolkata
Saturday	B	Chennai
Sunday	F	Bangalore

1. B
2. D
3. A
4. C
5. D

## SET 24

Study the following information carefully to answer the questions given below.

P, Q, R, S, T, U and V are 7 friends who travel to college everyday by a particular train which stops at 5 stations – 1, 2, 3, 4 and 5 respectively after it leaves base stations. 3 among them get in the train at the base station. S gets down at the next station at which U gets down. Q gets in with 2 persons and does not get down with either P or T. V alone gets in at station 3 and gets down with R after 1 station. P travels between only 2 stations and gets down at station 5. None of them gets in at station 2. R gets in with U but does not get in with either Q or S. T gets in with 2 others and gets down alone after S. Q and S going to same college and they get down together at station 3. None of them gets down at station 1.

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- At which station does T get down ?
  - Station 2
  - Station 4
  - Station 3
  - Station 5
  - None of these
- At which station does R, U get in ?
  - Base station
  - Station 2
  - Station 1
  - Station 3
  - None of these
- After how many station does Q get down ?
  - 4
  - 3
  - 1
  - 2
  - None of these
- At which of the following station does Q and T get in ?
  - Base Station
  - Station 1
  - Station 2
  - Station 3
  - None of these
- Which of the following is correct ?
  - T gets in at the base station
  - R gets in at the Station 3
  - V gets down at Station 5
  - U gets down at Station 2
  - None of these

### Answers:

Station	Person Get in	Person Get down
Base	Q,S,T	
1	R,U	None
2	None	U
3	V	Q,S
4	P	T,
5		P,R,V

- B
- C
- D
- A
- A

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