

Analytical Puzzles

Practice Exercise

Direction for the question [1-2]:

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 shirt and pants of the same colour.

Further it is given that

- a) A did not wear shirt of black colour.
- b) B did not wear shirt of blue colour.
- c) C did not wear shirt of orange colour.
- d) A did not wear pants of green colour.
- e) B wore pants of orange colour.

[CSAT 2012]

1) What are the colours of the pants and shirt worn by C, respectively?

- a) Orange and black
- b) Green and blue
- c) Yellow and blue
- d) Yellow and black

2) What are the colours of the pants and shirt worn by A, respectively?

- a) Orange and black
- b) Green and blue
- c) Yellow and Orange
- d) Yellow and black

Directions for the questions [3-4]:

The head of the newly formed government desires to appoint six newly elected members A, B, C, D, E and F to portfolios of Home, Power, Defense, Telecom and Finance. F does not want any portfolio if D gets one of the five. C wants either Home or Finance or no portfolio. B says that if D gets either Power or Telecom then she must get the other one. E insists on a portfolio if A gets one.

3) Which is a valid assignment?

[CAPGEMINI, INTELLIGROUP]

- a) A -Home, B- Power, C- Defense, D- Telecom, E- Finance
- b) A- Home, B- Power, E- Defense, D- Telecom, F- Finance
- c) B- Home, F- Power, E- Defense, C- Telecom, A- Finance
- d) C- Home, D- Power, A- Defense, B- Telecom, E- Finance

4) If A gets Home and C gets Finance, then which is not a valid assignment for Defence and Telecom?

- a) B - Defense, F - Telecom
- b) F - Defense, B - Telecom
- c) B - Defense, E - Telecom
- d) B - Defense, D - Telecom

Direction for question (5-9): Read the information given below carefully and answer the following questions.

There is a 5 storey building, each floor has one company. Each employee works on different floor. Each employee belongs to a different cities (i.e) Delhi, Mumbai, Bangalore, Hyderabad and Chennai. The five employees are Amit, Bhaskar, Charan, Daniel and Eshwar are employed in different companies Viz IBM, Wipro, HCL, Infosys, TCS but not necessarily in the same order

- i) Mr.Charan works in TCS and works on the first floor.
- ii) The officer who works on the top floor neither belongs to Hyderabad nor Chennai.
- iii) Mr.Bhaskar works in Wipro is from Hyderabad.
- iv) The officer who works for HCL and works in the third floor and belongs to Delhi.
- v) Mr.Daniel works on fourth floor and is from Bangalore city.
- vi) Mr.Eshwar works in Infosys and Mr.Daniel in IBM.

5) Who among the following is from Chennai?

- a) Amit
- b) Bhaskar
- c) Charan
- d) Daniel

6) Who works on the second floor of the building?

- a) Amit
- b) Bhaskar
- c) Charan
- d) Daniel

7) On which floor does Eshwar work?

- a) First
- b) Second
- c) Third
- d) Top

8) Which of the following is the correct combination?

- a) Mr Charan: Hyderabad
- b) Mr Daniel : Mumbai
- c) Mr Amit : Chennai
- d) Mr Eshwar : Mumbai

Directions for questions 9 to 13: Refer to the data below and answer the questions that follows.

There are 6 dancers Abha, Babita, Payal, Rohini, Meena and Sweta. They perform 6 different dances Kuchipudi, Kathak, Garba, Bharatnatyam, Kathakali and Western, not necessarily in the same order. They belong to 6 different states – Gujarat, U.P, M.P, Karnataka, Tamilnadu and Kerela and speak 6 different languages – Marathi, Oriya, Kannada, Bengali, Malayalam and Telugu. Following information is given:

- a) Kathakali dancer speaks Bengali.
- b) Meena knows Kathak but does not speak Telugu or Marathi.
- c) Rohini and Sweta don't know either of Kathakali or Bharatnatyam.
- d) Dancer from M.P speaks Kannada.
- e) Abha and Rohini don't know Garba or Khatak, and Babita speaks Kannada.
- f) Kuchipudi dancer speaks Kannada.
- g) Payal is from Karnataka.
- h) Abha speaks Bengali and Payal speaks Malayalam.
- i) Oriya speaking is from U.P
- j) Abha does not belong to Gujarat and Kerela.

9) Meena speaks:

- a) Oriya b) Bengali c) Marathi d) Kannada

10) Kathakali is performed by:

- a) Abha b) Payal c) Rohini d) Sweta

11) If Rohini speaks Marathi, then Sweta must speak:

- a) Malayalam b) Bengali c) Oriya d) Telugu

12) Abha belongs to:

- a) Gujarat b) Tamil Nadu c) Kerela d) M.P

13) Dancer from U.P is:

- a) Abha b) Babita c) Sweta d) Meena

Instructions for the questions [14-15]

Read the following information and answer the questions that follow:

A team of four scientists comprising of physicists and mathematicians has to be formed for a training program. The team must have at least two physicists. The selection commission has shortlisted the following persons:

Physicists: Dr. Anthony, Dr. George and Dr. Bill,

Mathematicians: Dr. Clinton, Dr. Lincoln, Dr. Robert and Dr. Richard.

However, Dr. George refused to join if Dr. Lincoln joined the team. Dr. Richard would not join if Dr. Robert joined the team, and Dr. Bill would not join if Dr. Richard joined the team.

14) Which among the following groups should be selected?

- a) Dr. Anthony, Dr. Bill, Dr.Lincoln and Dr.George.
b) Dr. Anthony, Dr. Bill, Dr.Richard and Dr.Robert.
c) Dr. Bill, Dr.Lincoln, Dr.George and Dr.Clinton.
d) Dr. Bill, Dr.George, Dr.Robert and Dr.Clinton.
e) Dr. Anthony, Dr. Clinton, Dr. Robert and Dr.Lincoln.

15) Which among the following groups must not be selected?

- a) Dr. Anthony, Dr. Bill, Dr.Clinton and Dr.Lincoln.
b) Dr. Anthony, Dr. Bill, Dr.Clinton and Dr.Robert.
c) Dr. Anthony, Dr.Lincoln, Dr.George and Dr.Robert.
d) Dr. George, Dr.Bill, Dr.Robert and Dr.Clinton.
e) Dr. Anthony, Dr. Richard, Dr. George and Dr.Clinton

Instructions for the questions [16-18]

Read the following information and answer the questions that follow:

Four persons Akash, Dinesh, Sameer and Tarun are attending a party. They were wearing shirts and trousers of four different colours. The shirts were Blue, White, Red, Green in colour and the trousers were Blue, Green, Yellow and Black colour.

- i) No person is wearing a shirt and a trouser of the same colour.
- ii) Dinesh is not wearing Blue trouser, whereas Tarun did not wear Green shirt.
- iii) Sameer is wearing a Green trouser, but is not wearing a White shirt.
- iv) Akash is wearing a Blue shirt, but is not wearing a Yellow trouser.

16) What is the colour of the shirt that Sameer is wearing?

- a) Green b) Red c) White d) Blue

17) What is the colour of the trouser that Dinesh is wearing?

- a) Green b) Yellow c) Black d) Blue

18) What is the colour of the shirt and trouser worn by Tarun, in that order?

- a) Blue and White b) Green and Blue c) Red and Green d) White and Blue

Instructions for the questions [19-20]

Four Men Sharath, Suman, Shekar and Sameer are married four women Seeta, Geeta, Reeta and Latha (not necessarily in the same order).

- i) Sameer is married to Geeta's friend, who is the mother of Seeta.
- ii) Sharath and Shekar were attending Reeta's wedding as a guest.
- iii) Suman and Shekar are the brothers of Geeta.
- iv) Latha's Uncle Suman did not marry to Seeta.

19) Who is the spouse of Sameer?

- a) Seeta b) Geeta c) Latha d) Reeta

20) Who is the husband of Geeta?

- a) Sharath b) Suman c) Shekar d) Sameer

21) Who is the wife of Shekar?

- a) Seeta b) Geeta c) Latha d) Reeta

Directions for questions 22 to 24:- Read the following information carefully and answer the questions given below it.

There are six friends A, B, C, D, E and F. Each one is proficient in one of the games, namely Badminton, Volleyball, Cricket, Hockey, Tennis and Polo. Each owns a different colored car, namely yellow, green, black, white, blue and red.

- i) D plays Polo and owns a yellow colored car.
- ii) C does not play either Tennis or Hockey and owns neither blue nor yellow colored car.
- iii) E owns a white car and plays Badminton.
- iv) B does not play Tennis; he owns a red coloured car.
- v) A plays Cricket and owns a black car.

[INFOSYS]

22) Who plays Volleyball?

- a) B b) C c) F d) Data inadequate

23) Which coloured car F owns?

- a) Green b) Blue c) Either Green or Blue d) Data inadequate

24) Which of the following combinations of colour of car and game played is not correct?

- a) Yellow - Polo b) Green - Tennis c) Black - Cricket d) Red- Hockey

25) Five persons Pradeep, Mohit, Bantu, Tarun and Nilesh live separately in any one of the following a palace, a hut, a fort, a house or a hotel. Each one likes two different colours from among the following blue, black, red, yellow and green. Bantu likes red and blue. Tarun likes black. The person living in the palace does not like blue or black. Pradeep likes blue and red. Mohit likes yellow. Nilesh lives in a hotel. Mohit lives in a

- a) Hut b) Palace c) Fort d) House

Directions for questions 26 to 29:

Refer to the data below and answer the questions that follow.

A family consists of seven members P, Q, R, S, T, U and V. There are three married couples. Q is an engineer and father of T. U is grandfather of T and is a contractor. S is a nurse by profession. V is T's uncle, who is a professor. R is the sister-in-law of Q and married to Professor. There is one student, one housewife and one doctor in the family. The student is spinster.

[CAPGEMINI, GENPACT]

26) Who is R's husband?

- a) V b) Q c) T d) R

27) Who is T's Aunt?

- a) S b) P c) U d) R

28) What is the profession of P?

- a) Housewife b) Doctor c) Professor d) Either (a) or (b)

29) Which of the following is definitely group of female members?

- a) PRST b) PRT c) PRS d) Cannot be determined

Direction for the question [30-31] :

Four students – Ankit, Amit, Akash and Ajay – went to four different cities – Mumbai, Vijaywada, Hyderabad and Nagpur – to interview in 4 different Companies – CTS, WIPRO, IBM, HCL. The following data is also known.

- i) Amit did not go to Hyderabad and did not write IBM and CTS.**
- ii) IBM was conducted in Nagpur; Akash went to Mumbai.**
- iii) Ankit did not go to Nagpur and did not write HCL.**
- iv) Ankit did not write CTS.**

30) Which of the following is the correct combination of the city, company visited and the by Amit?

- a) Vijaywada and WIPRO b) Vijaywada and HCL
c) Hyderabad and HCL d) Hyderabad and WIPRO

31) Who among the following went to Nagpur?

- a) Ankit b) Amit c) Akash d) Ajay

32) Who among the following works in CTS?

- a) Ankit b) Amit c) Akash d) Ajay

Direction for the question [33-35] : Read the following information carefully and answer the questions that are given below it:

There are six members in a family – I, II, III, IV, V and VI. There are two married couples. II is a doctor and a father of V. VI is a grandfather of III and is a contractor. IV is a grandmother of V and is a housewife. There is one doctor, one contractor, one nurse, one housewife and two students in the family.

[Capgemini 2018]

33) Who is the husband of I?

- a) IV b) III c) II d) VI

34) Who could be the sister of V?

- a) III or II b) VI c) III d) II

35) What is the profession of III?

- a) Doctor b) Nurse c) Student d) Cannot be determined

Check The Answers

1	B	6	B	11	D	16	B	21	A	26	A	31	D
2	C	7	D	12	B	17	B	22	B	27	D	32	C
3	D	8	C	13	D	18	D	23	B	28	D	33	C
4	C	9	A	14	D	19	C	24	B	29	A	34	C
5	A	10	A	15	C	20	A	25	B	30	B	35	C