

## **PUZZLES & GROUPING**

### **One Mark Questions:**

#### **D.1-5) Study the following information carefully and answer the given questions.**

In a family there are seven children. Their Names are Arvind, Arjun, Ashok, Ashwin, Atal, Avatar and Avinash. Each of the children was born on different days of the week and also every alternate year but not necessarily in the same order. One who was born on Saturday is not Arvind. Avinash was born on Tuesday but not in 1990. The third eldest child was born in 1988. The third youngest child is Arjun. There are three child was born in between Avinash and Arvind but Arvind was born before Avinash. Eldest child was born on Friday. Ashok was born on Wednesday. Ashwin is the youngest child of the family and he was born Thursday. Avatar was born on Sunday and also born immediately before Ashok.

Q.1) Who was born on Monday?

- a) Atal
- b) Arjun
- c) **Arvind**
- d) Can't be determined
- e) None of these

Q.2) Arjun was born in which of the following year?

- a) 1988
- b) 1990
- c) 1991
- d) **1992**
- e) None of these

Q.3) Which of the following combination is false?

- a) Avatar – Sunday
- b) Avinash – 1994
- c) **Atal – Saturday**
- d) Arvind – 1986
- e) All are true

Q.4) Who is exactly between 1994 and 1986?

- a) Arjun
- b) Ashok
- c) Arvind
- d) Avatar
- e) None of these

Q.5) What is the age difference between second youngest and second eldest children of the family?

- a) 12
- b) 10
- c) 8
- d) 6
- e) None of these

**D.6-10) Study the following information carefully and answer the given questions.**

R, P, S, N, M, G, K and V are working in an office but different departments, viz Accounts, HR, Finance, Research and Development, production, Marketing, sales and Maintenance. Three of them are female. There are four floors in the office and each floor has two departments. The lowermost floor is numbered 1, then 2 and so on.

K and R are male and work in same floor. One who is female works Research and Development department and on third floor. G works in Marketing department and on topmost floor. There are two floors between P and M and one of them is female. There are two floors between Accounts and Finance. S is not male and works in HR department and on third floor. V works in Maintenance department. M is male and works Accounts department but not on the same floor of G.

Q.6) Who works in Production department?

- a) K
- b) N
- c) R
- d) Cannot be determined
- e) None of these

Q.7) Which of the following pairs of persons works on first floor?

- a) V, M
- b) P, G
- c) S, R

- d) G, V
- e) None of these

Q.8) Which of the following groups of employees are females?

- a) SPR
- b) PSN
- c) VMP
- d) GSM
- e) None of these

Q.9) N works in which of the following departments?

- a) Finance
- b) Accounts
- c) Sale
- d) Production
- e) None of these

Q.10) If G and R are interchanged, S and V are interchanged and P and M are interchanged then those work in fourth floor?

- a) M, S
- b) R, V
- c) M, R
- d) P, G
- e) None of these

**D.11 – 15) Study the following information and answer the questions given below it:**

Six players Anisha, Anush, Abi, Arthi, Aravind and Ankit wear four different colours i.e yellow, white, blue, pink shirts and play four different games viz Badminton, Running, Table tennis, Shooting. Abi wears either yellow or white shirt. Aravind does not play Table tennis and person who play Shooting does not wear yellow shirt. Anisha neither wears white shirt nor play shooting and table tennis. Both of the Running players wear different colours of shirts but not wear pink shirt. Ankit plays Badminton. Badminton player does not wear yellow shirt, two players wear blue shirts and one wears pink. One player is in Table tennis and wears white, Arthi wears yellow shirt and badminton

player does not wear blue shirt. Aravind is in shooting and wears blue while Anisha wears pink shirt. Not more than two players are in same game and wear same shirt.

11) Which of the game played and shirt worn by Anush?

- a) Shooting and Blue
- b) Table tennis and White
- c) **Running and Blue**
- d) Badminton and Yellow
- e) None of these

12) Which of the following is the correct combination, according to the given data?

- a) Aravind-blue-Running
- b) Ankit-yellow-Badminton
- c) Arthi-white-running
- d) **Anisha-pink-badminton**
- e) None of these

13) Which of the games played by two players except Running?

- a) **Badminton**
- b) Table tennis
- c) Shooting
- d) Badminton or Shooting
- e) None of these

14) Which of the following shirt is wear by the player , who plays Table tennis?

- a) Yellow
- b) **White**
- c) Blue
- d) Pink
- e) None of these

15) Which of the following shirts is worn by two players?

- a) Blue and pink
- b) Yellow and white
- c) blue and yellow
- d) white and blue
- e) None of these

**Two Mark Questions:**

**D.16 – 20) Study the following information and answer the questions.**

M, T, D, F, H, R and W are seven students studying in three different colleges G.L Bajaj, Galgotia and NIIT with at least two in each college. Each of them has a favourite subject i.e English, History, Geography, Mathematics, Physics, Chemistry and Biology, not necessarily in the same order and each student plays a different games i.e. Chess, Table tennis, Lawn tennis, Football, Basketball, Cricket and Hockey, but not necessarily in the same order.

D's favourite subject is Physics and studies in College Galgotia with only M and play Hockey. Person plays Football likes Biology. T plays Lawn tennis. H does not study in college G.L Bajaj and he likes English. F studies in College NIIT and does not like Mathematics also does not play Football and Basketball. Those who like Geography and Chemistry study in the same college. The one who play Table tennis does not study in college G.L Bajaj. W likes Biology and does not study in college G.L Bajaj. R does not study with H. R does not like Chemistry. M does not like History. The one who plays Cricket likes Mathematics. Person plays Basketball does not study in college NIIT.

16) What is M's favourite subject?

- a) Mathematics
- b) Chemistry
- c) Data inadequate
- d) Geography
- e) Other than those given as options

17) What is R's favourite game?

- a) Lawn tennis
- b) Table tennis
- c) Basketball
- d) Chess
- e) Other than those given as options

18) Which of the following groups of students studies in college NIIT?

- a) FTR
- b) FWR
- c) FM
- d) Data inadequate
- e) Other than those given as options

19) What is F's favourite game?

- a) Cricket
- b) Basketball
- c) Hockey
- d) Chess/Table tennis
- e) Other than those given as options

20) Which of the following groups of students study in college G.L Bajaj?

- a) TR
- b) HR
- c) HT
- d) HF
- e) Other than those given as options

**D 21 – 26) Study the following information carefully and answer the questions given below:**

Seven Persons Adi, Baji, Charu, Dora, Elena, Farukh and Giyara are employees of Apple system pvt. Ltd. working in different department viz. IT, Software, Mechanical, Civil, Computer, Electrical and Geo science but not necessarily in the same order. They have mobile phone of different brands viz. Azure, Sansui, Laxa, Moto, Intex, Lava and Xaiomi but not necessarily in the same order. Each one uses different language for communication viz. Tamil, Kannada, Telugu, Hindi, Marathi, Punjabi and Bangla but not necessarily in the same order.

Charu is working in Software department and she does not use Tamil or Marathi for communication and she does not have Azure or Intex mobile phone. Dora's language is Punjabi and she is working in IT department and has Moto mobile phone. Giyara is working in Geo science and her language is Hindi and she doesn't have Sansui phone. Elena is not working in Computer department and Farukh has Intex mobile phone. Lava and Laxa are being used by Elena and Adi. Elena and Farukh are not working in Mechanical and none of them uses Marathi language and Elena has neither Azure nor Sansui mobile phone. Baji is working in civil department and have Xaiomi brand phone and his

language is Telugu. The one who is working in Electrical department uses Bangla language and doesn't have Azure brand phone.

21) Which language is used by Charu for her communication?

- a) Telugu
- b) Hindi
- c) Bangla
- d) Kannada**
- e) None of these

22) Who works in Mechanical department?

- a) Adi**
- b) Elena
- c) Farukh
- d) Elena or Farukh
- e) None of these

23) Which of the following combination is correct?

- a) Marathi- Baji –Civil- Xaiomi
- b) Tamil- Farukh – Computer – Intex**
- c) Marathi- Baji – Mechanical- Sansui
- d) Punjabi- Dora – Electrical – Laxa
- e) None of these.

24) Which of the following Person has Lava brand mobile phone?

- a) Adi
- b) Farukh
- c) Elena
- d) Dora
- e) can't be determined.**

25) Which of the following Person has Laxa mobile phone?

- a) Adi
- b) Farukh
- c) Elena
- d) Dora
- e) can't be determined

**D. 26 – 30) Study the following information carefully and answer the given questions:**

Seven persons A, B, C, D, E, F and G are teaching seven subjects History, Geography, Physics, Chemistry, Maths, Biology and English from Monday to Friday. Each person teaches a different subject and not more than two subjects are taught on any one of the days.

Chemistry is taught by B on Tuesday. D teaches on Friday but neither Geography nor Physics. F teaches History but neither on Thursday nor on Friday. A teaches English on the day on which History is taught. C teaches Maths on Monday. Geography and Chemistry are taught on the same day. G teaches on Thursday.

26) English is taught on which day?

- a) Wednesday
- b) Monday
- c) Tuesday
- d) Data inadequate
- e) None of these

27) Which of the following subject is taught by G?

- a) Biology
- b) Geography
- c) Physics
- d) Chemistry
- e) None of these

28) Geography is taught on which day?

- a) Monday
- b) Tuesday
- c) Wednesday
- d) Thursday

e) None of these

29) Which subject is taught on Friday?

- a) Physics
- b) History
- c) Geography
- d) Biology
- e) None of these

30) Which of the following pairs of persons teaches on Tuesday?

- a) B and D
- b) A and B
- c) B and F
- d) B and C
- e) None of these