

PUZZLE TEST TYPE 1

This section of analytical reasoning comprises of questions put in the form of puzzles involving certain number of items, be it performs or things. The candidate it required to analyse the given information, condense it in a suitable form and answer the questions asked.

The questions on Puzzle Test may be any of the following types:

- Classification Type Questions
- II. Seating/Placing Arrangements
- III. Comparison Type Questions
- IV. Sequential order of Things
- V. Selection Based on Given Conditions
- VI. Family – Based Problems
- VII. Jumbled Problems

TYPE 1: CLASSIFICATION TYPE QUESTIONS

This type consists of questions in which certain items belonging to different groups or processing different qualities are given along with some clues with the help of which the candidates is required to group and analyse the given items and answer the questions accordingly.

Ex.1. Study the following information carefully and answer the given questions:

B and E are good in Dramatics and Computer Science.
A & B are good in Computer Science and Physics.
A, D and C are good in Physics and History.
C and A are good in Physics and Mathematics.
D and E are good in History and Dramatics.

1. Who is good in Physics, History and Dramatics?

- a) A b) B
c) D d) E

2. Who is good in Physics, History and Mathematics, but not in Computer Science?

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

3. Who is good in Computer Science, History and Dramatics?

- a) A b) B
c) C d) E

4. Who is good in History, Physics, Computer Science and Mathematics?

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

5. Who is good Physics, Dramatics and Computer Science?

- a) A b) B
c) D d) E

Ex. 2. Read the following information carefully and answer the questions that follow:

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, Aero plane, Car and Boat from Mumbai.

The person who travelled to Delhi did not travel by boat.

R went to Bangalore by car and Q went to Kolkata by aero plane.

S travelled by boat whereas T travelled by train.

Mumbai is not connected by bus to Delhi and Chennai.

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

- a) P – Bus b) Q – Aero plane
c) R – Car d) S – Boat

e) T – Aero plane

2. Which is the following combinations is true for S?

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

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

- a) Delhi – Bus b) Kolkata – Aero plane
c) Bangalore – Car d) Chennai – Boat
e) Hyderabad – Bus

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

- a) Bus b) Train
c) Aero plane d) Car
e) Boat

5. Who among the following travelled to Delhi?

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

Ex. 3. Read the following information carefully and answer the questions given below it:

There are six persons A, B, C, D, E and F in a 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 is 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 which is the optional subject, who has the same two subject combination as F?

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

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

Ex 4. Study the following information carefully and answer the given questions:

B, M, T, R, K, H and D are travelling in a train compartment with III-tier sleeper berth. Each of them has a different profession of Engineer, Doctor, Architect, Pharmacist, Lawyer, Journalist and Pathologist. They occupied two lower berths, three middle berths and two upper berths. B, the Engineer, is not on the upper berth. The Architect is the only other person who occupies the same type of berth as that of B. M and H are not on the middle berth and their profession are Pathologist and Lawyer respectively. T is a pharmacist. D is neither a journalist nor an Architect. K occupies the same type of berth as that of the Doctor.

1. Who is the Architect?

- a) D b) H c) R
d) Data inadequate e) None of these

2. What is D's profession?

- a) Pharmacist b) Lawyer
c) Doctor d) Engineer
e) Data inadequate

3. Which of the following pairs occupy the lower berth?

- a) BT b) BD
c) BK d) Data inadequate
e) None of these

4. Which of the following groups occupies the middle berth ?

- a) DKT b) HKT
c) DKR d) DHT
e) None of these

5. Which of the following combinations of person-berth-profession-is correct ?

- a) K-Upper-Lawyer
b) D-Upper-Doctor
c) M-Lower-Journalist
d) R-Lower-Architect
e) All correct

Ex. 5 Study the following information carefully and answer the questions given below :

- 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 specialization is also different.
- iii) Two of them have specialization in Finance, another two have specialization in Human Resource, two have specialization 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 specialization 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 person's work.
- ix) C is an engineer, and his sister works in Company Z.
- x) No lady is an engineer or Computer specialist.

1. In which company does C work ?

- a) X b) Y c) Z
d) Either Y or Z e) None of these

2. In which two companies do Human Resource specialists work?

- a) X and Y b) Y and Z
c) X and Z d) Data inadequate
e) None of these

3. The two ladies are

- a) B and D b) D and G
c) D and H d) Either (a) or (b)
e) Data inadequate

11. In a cricket season, India defeated Astrlia twice, West Indies defeated India twice Australia defeated West Indies twice, India defeated New Zealand twice, and West India defeated New Zealand twice. Which country has lost most number of times?

- a) India b) Australia
c) New Zealand d) West Indies

Direction (Questions 12 to 14): Read the following information and answer the questions given below:

Six student A, B, C, D, E and F are sitting in the field. A and B are from Nehru House while rest belong to Gandhi House. D and F are tall while the others are short. A, C and D are wearing glasses while the others are not.

12. Which two students, who are not wearing glasses, are short ?

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

13. Which short student of Gandhi House is not wearing glasses /

- a) F b) E c) B
d) A e) Data inadequate

14. Which tall student of Gandhi House is not wearing glasses ?

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

15. Six students A, B, C, D, E and F are sitting in the field. A and B are from Delhi while the rest are from Bangalore. D and F are tall while others are short. A, C and D girls while other are boys. Which is the tall girl from Bangalore ?

- a) C b) D c) E d) F

16. On a shelf are placed six volumes side-by-side labeled A, B, C, D E and F, B, C, E, F have green covers while others have yellow covers. A, D, B are new volumes while the rest are old volumes, a, C, B are law reports while the rest medical extracts. Which two volumes are old medical extracts and have green covers ?

- a) B, C b) C, D c) C, E d) E, F

17. In a group of six women, there are four dancers, four vocal musicians, one actress and three violinists. Girja and Vanaja are among the violinists while Jalaja and Shailja do not know how to play on the violin. Shailja and Tanuja are among the dancers. Jalja, Vanaja, Shailaja and Thanuja are all vocal musicians and two of them are also violinists. If Pooja is an actress, who among the following is both a dancer and a violinist ?

- a) Jalaja b) Shailja
c) Thanuja d) Pooja

Directions (Questions 18 – 21) : Read the following information and answer the following questions given below :

Four young men Raj, Prem, Ved and Ashok are friendly with four Sushma, Kusum, Vimla and Poonam. Sushma and Vimla are friends. Ved's girl friend does not like Sushma and Vimla Kusum does not care for Ved. Prem's girl friend is friendly with Sushma. Sushma does not like Raj.

18. Who is Raj's girl friend?

- a) Sushma b) Kusum
c) Vimla d) Poonam

19. With whom is Sushma friendly ?

- a) Raj b) Prem
c) Ved d) Ashok

20. Who is Poonam's boy friend ?

- a) ashok b) Ved

c) Prem d) Raj

21. Who does not like Sushma and Vimla ?

- a) Poonam b) Raj
c) Ashok d) Ved

Directions (Questions 22 to 24) : 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 colors – Red, Yellow and Brown. There are five envelopes of each color.

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.

22. 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

23. 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

24. 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

25. Three persons A, B and C wore shirts of Black, blue and orange colours (not necessarily in that order) and parts 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
4. A did not wear pant of green colour
5. B wore pant of orange colour

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

Directions (questions 26 to 30) : Study the following information and answer the given question 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 kite and lives in the same building as only J. i.e, Ashiana. Y is flying a black kite 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.

26. Who live in Ridge building ?

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

27. Who is flying the blue kite ?

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

28. Who flies the red kite?

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

29. Who stay in Top-view building?

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

30. What coloured kite is J flying ?

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

Directions (Questions 31 to 35) : Read the following information carefully and answer the question given below :

- i) There is group of five persons – A, B, C, D and E
ii) One of them is a horticulturist, one is a physicist, one is a journalist, one is as industrialist, and one is an advocate.
iii) Three of them – A, C and advocate prefer tea to coffee and two of them – B and the journalist prefer coffee to tea.
iv) The industrialist and D and A are friends to one another but two of them prefer coffee's tea.
v) The horticulturist is C's brother.

31. Who is the horticulturist?

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

32. Who is the industrialist?

- a) E b) C c) B

- d) A e) D

33. Which of the following groups includes a person who likes tea but is not an advocate /

- a) ACE b) DE c) BCE
d) BD e) None of these

34. Who is a physicist?

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

35. Which of the following statements given above is superfluous?

- a) iii) b) iv c) ii
d) v e) None of these

Directions (Questions 36 to 39): Study the following information carefully and answer the given questions:

A Business School with six Professors L, M, N, O, P and Q has decided to implement a new scheme of course management. Each Professor has to coordinate one course and support another course. This semester, support course is Finance, while three others have it in coordinator's role. P and Q have Marketing as one of their subjects. Q coordinates Operations, which is a support course for both N and P. Finance and IT are L's subject. Both L and O have same subjects. Strategy is a support course for only one of the Professors.

36. Who coordinates the IT course?

- a) I b) N c) O
d) None of these

37. Which course is supported by M?

- a) Operations b) IT
c) L, M and M d) M, N and O

38. Who among the following are coordinating the Finance course ?

- a) L and N b) N and O
c) L, M and N d) M, N and O

39. Which course has only one coordinator and one support Professor ?

- a) Strategy b) Marketing
c) Operations d) Finance

Directions (Questions 40 to 43) : Read the following information carefully and answer given below :

i) Jayant, Kamal, Namitha, Asha and Tanmay are five members of a family.

ii) They have their birth dates from January to May, each member in one of these months.

iii) Each one likes one particular item for his/her birthday out of Bengali sweets, Chocolates, Pastries, Ice-cream and Dry fruits.

iv) The one who likes Pastries is born in the month which is exactly middle in the months given.

v) Asha does not like ice-cream but brings Chocolates for Jayant in February.

vi) Tanmay who is fond of Bengali sweets is born in the next month immediately after Namitha.

vii) Namitha does not like Dry fruits or Ice-cream.

40. What is the choice of Asha ?

- a) Pastries b) Dry fruits
c) Bengali sweets d) cannot be determined
e) None of these

41. Which combination of month and item is true for Jayant ?

- a) March-Pastries b) February- Pastries
c) February – Ice cream d) cannot be determined
e) None of these

42. What is the choice of Kamal ?

- a) Ice –cream b) Bengali fruits
c) Dry fruits d) cannot be determined
e) None of these

43. In which month was Kamal born ?

- a) January b) May
c) January or May d) Data inadequate

e) None of these

Directions (Questions 44 to 47) : Study the following information and answer the question given below :

Three ladies and four men are a group of friends i.e., P, K, R, Q, J, V and X. Each one has a different profession i.e. Lawyer, Travel Agent, Air-hostess, Doctor, Professor, Consultant and Jeweller and each one owns a different car i.e. Alto, Corolla, Santro, Lancer, Icon, Scorpio and Esteem, not necessarily in that order. None of the ladies is a consultant or a Lawyer. R is an Air-hostess and she owns an Icon car. P owns a Scorpio. K is not a Doctor. J is a Jeweller and he owns Corolla. V is a Lawyer and does not own Alto. X is a consultant and owns Santro. The Doctor owns Esteem car whereas the Professor owns Scorpio. The Travel Agent owns an Alto. None of the ladies owns a Scorpio.

44. Who are the three ladies in the group ?

- a) V, R, K b) R, P, J
c) R, K, Q d) Data inadequate
e) None of these

45. What car does Q own ?

- a) Esteem b) Lancer
c) Alto d) Santro
e) None of these

46. Who owns the car Lancer ?

- a) V b) X
c) K d) Data inadequate
e) None of these

47. What is the profession of K?

- a) Doctor b) Professor
c) Travel Agent d) Data inadequate
e) None of these

Directions (Questions 48 – 52) : Study the following information carefully and answer the given questions:

Four players A, B, C and D are holding 4 cards each. Of them has Ace, King, a Queen and Jack. All of them have all the suits (spades, hearts, club and diamond)

I. A has Ace of spades and Queen of diamonds.

II. B has Ace of spades and Queen of diamonds.

III. C has Queen of club and King of spades.

IV. D has Jack of clubs.

48. Ace of diamonds is with

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

49. Jack of hearts is with

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

50. Queen of spades is with

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

51. C has which of the following with him ?

- a) Ace of hearts b) Jack of spades
c) King of hearts d) Queen of spades

52. D has which of the following with him?

- a) Ace of hearts b) Queen of hearts
c) King of hearts d) Queen of hearts

Directions (Questions 53-56) : Study the following information carefully and answer the questions given below :

i) A, B, C, D, E and F are six members of a group in which there are three females' members. Females work in three departments – Accounts, Administration and Personnel and sit on three different floors – 1st, 2nd and 3rd. Persons working in the same department are not same floor. On each floor two person's work.

ii) Not two ladies work in the same department or on the same floor. B and E work in the same department but not in Personnel. D works in Administration. E and A are on the 1st and 3rd floors respectively and work in the same department. D, a lady, does not work on 2nd floor. C, a man, works on 1st floor.

53. Which of the following groups of persons are females?

- a) ADF b) CDF c) DEF
d) Data inadequate e) none of these

54. Which of the following pairs works on 2nd floor?

- a) AE b) BD c) BF
d) CF e) None of these

55. Which of the following pairs of persons work in Administration?

- a) BD b) CD c) CE
d) Data inadequate e) None of these

56. F works in which department ?

- a) Administration b) Accounts
c) Personnel d) Accounts or Personnel
e) None of these

Directions (questions 57 to 61) : Study the following information carefully and answer the questions given below :

A, B, C, D, E, F and G are travelling in three different vehicles. There are at least two passengers in each vehicle – I, II and III and each vehicle has passengers of both the sexes. There are two engineers, two doctors and three teachers among them. C is a lady doctor and she does not travel with the pair sisters A and F. B, a male engineer, travels with only G, a teacher in vehicle I. D is a male doctor. Two persons belonging to same profession do not travel in the same vehicle. A is not an engineer and travel in vehicle II

57. In which vehicle does C travel

- a) I b) II c) III
d) II or III e) None of these

58. How many lady members are there among them ?

- a) Three b) Four
c) Three or Four d) Data inadequate
e) None of these

59. What is F's profession ?

- a) Doctor b) Engineer
c) Teacher d) Data inadequate

60. Which of the following is not correct ?

- a) A-female-Teacher b) B-male-Engineer
c) E-male-Teacher d) F-female-Teacher
e) G-Female- Teacher

61. Which of the following represents the three teachers ?

- a) AEG b) EFG
c) AEG or EFG d) Data inadequate
e) None of these

Directions (Question 62 to 66): Study the following information and answer the questions given below it:

Rohit, Kunal, Ashish and John are students of a school. Three of them stay far from the school and one near it. Two study in class IV, one in V and one in class VI. They study Hindi, Mathematics, Social Science. One is good at all the four subjects while another is weak in all of these. Rohit stays far from the school and is good at Mathematics only while Kunal is weak in Mathematics only and stays close to the school. Neither of these two nor Ashish studies in class VI. One who is good at all the subjects' studies in class V.

62. Name the boy who is good at all the subjects.

- a) Rohit b) Kunal
c) Ashish d) John

63. name the boy who is weak in all the subjects

- a) Rohit b) Kunal
c) Ashish d) John

64. Which two boys are good at Hindi ?

- a) Rohit and Kunal b) Kunal and Ashish
c) John and Ashish d) Rohit and John

65. Which two boys are good at Mathematics?

- a) Rohit and Ashish b) Kunal and Ashish
c) John and Ashish d) Rohit and John

66. Other than Rohit and the boy good at all the subjects, who else stays far from the school?

- a) Rohit b) Kunal
c) Ashish d) John

Directions (questions 67 to 71) : Study the following information carefully and answer the questions given below :

i) A, B, C, D, E, F and G are seven persons wearing a different colour shirt – white, red, black, green, yellow, blue and violet and a different colour trousers- blue, red, white, black, cream, yellow and indigo. The persons, colour of the shirt and colour of the trousers above are not necessarily in the same order. No person is wearing shirt and trousers of same colour.

ii) B is wearing red colour shirt and is not wearing cream or yellow colour trousers. D is wearing green colour shirt and indigo colour trousers. Colour of A's and F's trousers is same. Colour of E's shirt and C's trousers is same. G is wearing a blue shirt and E is red and blue is not the combination of shirt and trousers of any of the persons.

67. Who wears violet colour shirt ?

- a) c b) F c) Cor F
d) Data inadequate e) None of these

68. What is the color of B's trousers ?

- a) White b) Indigo
c) Red d) data inadequate e) None of these

69. What is the colour of A's trousers?

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

70. what is the color of F's shirt?

- a) Green b) Blue
c) Violet d) Data inadequate
e) None of these

71. What is the color of G's trousers?

- a) Indigo b) White c) Cream
d) Red e) None of these

Directions (question 72 to 76) : Read the following information carefully and answer the question given below :

Summet, Philips, wasim, Bishan and Chetan are five players of the college cricket team and their home towns are Surat, Pune, Warangal, Bangalore and Chandigarh but not in that order. The five specialist slots of spinner, pace bowler, wicket keeper, batsman and captain are held by them, again not in the order of their names stated above.

I. Their names, home towns and specialities do not start with the same letter

II. Neither Philips nor Wasim is the captain and they do not belong to either Surat or Bangalore.

III. Sumeet is neither a wicket keeper nor a batsman

IV. Pune is not Bishan's home town.

V. The player who hails from Bangalore is wicket-keeper.

VI. The captain's home town is Pune while the batsman does not hail from Warangal.

72. The spinner's hometown is

- a) Chandigarh b) Bangalore
c) Warangal d) Pune

73. Chandigarh is the hometown of

- a) Sumeet b) Bishan
c) Wasim d) Philips

74. Who is the pace bowler?

- a) Chetan b) Wasim
c) Sumeet d) Bishan

75. Who is the pace bowler?

- a) Philips b) Chetan
c) Bishan d) Wasim

76. Chetan's hometown is

- a) Pune b) Surat
c) Warangal d) Bangalore