

Complex Arrangements

Chapter Rating: 5*

No. of questions asked in CSAT over the years

| 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 0 | 2 | 4 | 6 | 3 | 13 | 5 | 9 | 4 | 0 | 1 | 0 | 0 | 47 |

Ex 1. Three persons A, B & C wear shirts of Black, Blue, and Orange colors (not necessarily in the order) and pants of green, yellow, and orange (not necessarily in that order). No person wore shirt and pant of the same color. Further, it is given that **(CSAT 2012)**

1. A did not wear shirt of black color.
2. B did not wear shirt of blue color.
3. C did not wear shirt of orange color.
4. A did not wear the pants of green color.
5. B wore pants of orange color.

What were the colors of the pants and shirts worn by C respectively? **(CSAT 2012)**

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

Ex 2. Read the passage given below and the two statements that follow (given on the basis of the passage):

Four men are waiting at Delhi airport for Mumbai flight. Two are doctors and other two are businessman. Two speak Gujarati and two speak Tamil. No two of the same profession speak the same language. Two are Muslims and two are Christians. No two of the same religion are of the same profession, nor do they speak same language. The Tamil speaking doctor is Christian.

Which of the following statements is/are correct conclusion/conclusions? **(CSAT 2012)**

1. The Christian-Businessman speaks Gujarati.
 2. The Gujarati-speaking doctor is a Muslim.
- (a) 1 only (b) 2 only
(c) Both 1 & 2 (d) Neither 1 nor 2

Ex 3. A, B, C, D and E belong to five different cities P, Q, R, S and T (not necessarily in that order). Each one of them comes from a different city. Further it is given that:

1. B and C do not belong to Q.
2. B and E do not belong to P and R.
3. A and C do not belong to R, S and T.
4. D and E do not belong to Q and T.

Which one of the following statements is not correct?

- (a) C belongs to P
(b) D belongs to R
(c) A belongs to Q
(d) B belongs to S

Directions for the following 3 (three) items:

Read the passage given below and answer the items that follow.

A, B, C, D, E, F are members of a family. They are engineer, stenographer, doctor, draughtsman, lawyer, and judge (not in order). A, the engineer is married to the lady stenographer. The judge is married to the lawyer. F, the draughtsman is the son of B and brother of E. C, the lawyer is the daughter-in-law of D. E is the unmarried doctor. D is the

grandmother of F. There are two married couples in the family.

Ex 4. What is the profession of B? **(CSAT 2014)**

- (a) Judge (b) Lawyer
- (c) Draughtsman (d) Cannot be determined

Ex 5. Which of the following is/are couple /couples?

(CSAT 2014)

- (a) AD only
- (b) BC only
- (c) Both AD and BC
- (d) Both AC and BD

Ex 6. What is the profession of D? **(CSAT 2014)**

- (a) Judge
- (b) Stenographer
- (c) Doctor
- (d) Cannot be determined

Ex 7. A question paper must have a question on one of the eight poets: A, B, C, D, E, F, G or H. First four belong to the medieval period while the rest are considered modern poets. Generally, modern poets, figure in the question paper in alternate years. Generally, those who like H like G also; and those who like F like E also. The paper-setter does not like to ask about F as he has written a book on F, but he likes F. Last year, the paper contained a question on A. On the basis of the information given, this year's paper is most likely to contain a question on **(CSAT 2014)**

- (a) C (b) E
- (c) F (d) H

Ex 8. Six books are labelled A, B, C, D, E and F and are placed side by side. Books B, C, E and F have green covers while others have yellow covers. Books A, B and D are new while the rest are old volumes. Books A, B and C are law reports while the rest are medical extracts. Which two books are old medical extracts and have green covers?

(CSAT 2014)

- (a) B and C (b) E and F
- (c) C and E (d) C and F

Directions for the following 5 (five) items:

Consider the following information and answer the five items that follow:

There are five persons in a group — P, Q, R, S and T. The group has one doctor, one lawyer and one artist. P and S are unmarried students. T is a man married to one of the group members. Q is the brother of P and is neither doctor nor artist. R is not doctor.

Ex 9. Who is the doctor? **(CSAT 2016)**

- (a) T (b) P
- (c) Q (d) R

Ex 10. Who is the artist? **(CSAT 2016)**

- (a) P (b) Q
- (c) R (d) T

Ex 11. Who is the spouse of R?
(CSAT 2016)

- (a) P (b) T
- (c) Q (d) S

Ex 12. Who is the lawyer?
(CSAT 2016)

- (a) P (b) Q
- (c) R (d) S

Ex 13. Who of the following is definitely a man?
(CSAT 2016)

- (a) P (b) S
- (c) Q (d) None of the above

PRACTICE EXERCISE

Direction for the following 3 (three) items:

Consider the given information and answer the three items that follow. **(CSAT-2016)**

Six boxes A, B, C, D, E and F have been painted with six different colours viz., violet, indigo, blue, green, yellow, and orange and arranged from left to right (not necessarily either kept or painted with the colours in the same order). Each box contains a ball of any one of the following six games: cricket, hockey, tennis, golf, football, and volleyball (not necessarily in the same order). The golf ball is in violet box and is not in the box D. The box A which contains tennis ball is orange in colour and is at the extreme right. The hockey ball is neither in box D nor in box E. The box C having cricket ball is painted green. The hockey ball is neither in the box painted blue nor in the box painted yellow. The box C is fifth from right and next to box B. The box B contains volleyball. The box containing the hockey ball is between the boxes containing golf ball and volleyball.

Q1. Which one of the following boxes contains the golf ball? **(CSAT 2016)**

- (a) E (b) F
- (c) D (d) None of the above

Q2. Which of the following statements is/are correct? **(CSAT 2016)**

- (a) D is painted yellow
- (b) F is painted indigo
- (c) B is painted blue
- (d) All of the above

Q3. The football is in the box of which colour?

(CSAT 2016)

- (a) Yellow
- (b) Indigo
- (c) Cannot be determined as data are inadequate\
- (d) Blue

Direction for the following 3 (three) items: Consider the given information and answer the three items that follow.

When three friends A, B and C met, it was found that each of them wore an outer garment of a different colour. In random order, the garments are jacket, sweater and tie; and the colours are blue, white and black. Their surnames in random order Ribeiro, Kumar, and Singh.

Further, we know that:

1. neither B nor Ribeiro wore a white sweater.
2. C wore a tie.
3. Singh's garment was not white.
4. Kumar does not wear a jacket.
5. Ribeiro does not like to wear the black colour.
6. Each of the friends wore only one outer garment of only one colour.

Q4. What is C's surname? **(CSAT 2016)**

C dk miuke D;k gS\

- (a) Riberio (b) Kumar
(c) Singh (d) Cannot be determined

Q5. What is the colour of the tie ?

VkbZ dk jax D;k gS\ **(CSAT 2016)**

- (a) Black (b) Blue
(c) White (d) Cannot be determined

Q6. Who wore the sweater? **(CSAT 2016)**

LosVj fdlus iguk Fkk\

- (a) A (b) B
(c) C (d) Cannot be determined

Directions for the following 3 (three) items:
Consider the given information and answer the three items that follow.
(CSAT 2017)

A, B, C, D, E, F and G are Lecturers from different cities—Hyderabad, Delhi, Shillong, Kanpur, Chennai, Mumbai, and Srinagar (not necessarily in the same order) who participated in a conference. Each one of them is specialized in a different subject, viz., Economics, Commerce, History, Sociology, Geography, Mathematics and Statistics (not necessarily in the same order). Further

1. Lecturer from Kanpur is specialized in Geography
2. Lecturer D is from Shillong
3. Lecturer C from Delhi is specialized in Sociology
4. Lecturer B is specialized in neither History nor Mathematics
5. Lecturer A who is specialized in Economics does not belong to Hyderabad
6. Lecturer F who is specialized in Commerce belongs to Srinagar
7. Lecturer G who is specialized in Statistics belongs to Chennai.

Q7. Who is specialized in Geography?

(CSAT 2017)

- | | |
|-------|--------------------------|
| (a) B | (b) D |
| (c) E | (d) Cannot be determined |

Q8. To which city does the Lecturer specialized in Economics belong?

(CSAT 2017)

- (a) Hyderabad
- (b) Mumbai
- (c) Neither Hyderabad nor Mumbai
- (d) Cannot be determined as data are inadequate

Q9. Who of the following belongs to Hyderabad?

(CSAT 2017)

- (a) B
- (b) E
- (c) Neither B nor E
- (d) Cannot be determined as data are inadequate

Q10. Seven books P, Q, R, S, T, U and V are placed side by side. R, Q and T have blue covers and other books have red covers. Only S and U are new books, and the rest are old. P, R are law reports; the rest are Gazetteers. Books of old Gazetteers with blue covers are **(CSAT 2021)**

- (a) Q and R (b) Q and U
(c) Q and T (d) T and U

Directions for the following 6 (six) items:

Read the information given below and answer the six items that follow. **(CSAT 2018)**

A, B, C and D are students. They are studying in four different cities, viz., P, Q, R and S (not necessarily in that order). They are studying in science college, Arts college, Commerce college and Engineering college (not necessarily in that order), which are situated in four different States, viz., Gujarat, Rajasthan, Assam, and Kerala (not necessarily in that order). Further, it is given that—

- (i) D is studying in Assam
(ii) Arts college is located in city S which is in Rajasthan
(iii) A is studying in Commerce college
(iv) B is studying in city Q
(v) Science college is located in Kerala

(CSAT 2018)

Q11. A is studying in

A esa i<+ jgk gSA **(CSAT 2018)**

- (a) Rajasthan (b) Gujarat
(c) city Q (d) Kerala

Q12. Science college is located in

lkbal dksyyst esa fLFkr gSA **(CSAT 2018)**

- (a) city Q (b) city S
(C) city R (D) city P

Q13. C is studying in

C esa i<+ jgk gS **(CSAT 2018)**

- (a) Science college (b) Rajasthan
(c) Gujarat (d) city Q

Q14. Which one of the following statements is correct?

(CSAT 2018)

- (a) D is not studying in city S.

- (b) A is studying in Science college.
- (c) A is studying in Kerala.
- (d) Engineering college is located in Gujarat.

Q15. Which one of the following statements is correct regarding Engineering college?

(CSAT 2018)

- (a) C is studying there.
- (b) B is studying there.
- (c) It is located in Gujarat.
- (d) D is studying there.

Q16. Which one of the following statements is correct?

fuEufyf[kr esa ls dkSu lk dFku lgh gS\

(CSAT 2018)

- (a) Engineering college is located in Assam.
- (b) City Q is situated in Assam
- (c) C is studying in kerala.
- (d) B is studying in Gujarat.

Q17. Consider the following:

1. Saxena, David, Jain and Kumar were District Collectors at places P, Q, R and S respectively in 1970.
2. In 1972, they were transferred. Saxena and Jain interchanged places. Kumar and David also interchanged places.
3. One year later in 1973, they were again transferred such that David and Jain interchanged places and Saxena and Kumar were also interchanged.

What should be the next round of transfers so that all the four persons could have been posted at all the four places? **(UPSC 1997)**

(UPSC 1997)

- (a) Interchange Saxena and David as well as Jain and kumar
- (b) Interchange Saxena and Kumar as well as David and Jain
- (c) Interchange David and Kumar as well as Saxena and Jain
- (d) It is not possible for all the four persons to have been posted at all the four places

Directions: Read the following information and answer the two items that follow.

The plan of an office block for six officers A, B, C, D, E and F is as follows:

Both B and C occupy offices to the right of the corridor (as one enters the office block) and A occupies on the left of the corridor. E and F occupy offices on opposite sides of the corridor but their offices do not face each other. The offices of C and D face each other. E does not have a corner office. F's office is further down the corridor than A's, but on the same side.

Q18. If E sits in his office and faces the corridor, whose office is to his left? **(CSAT 2018)**

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

Q19. Who is/are D's immediate neighbour/neighbours? **(CSAT 2018)**

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

Directions for the following 3 (three) items:

Read the following information and answer the three items that follow:

Six students A, B, C, D, E and F appeared in several tests. Either C or F scores the highest. Whenever C scores the highest, then E scores the least. Whenever F scores the highest, B scores the least. In all the tests they got different marks; D scores higher than A, but they are close competitors; A scores higher than B; C scores higher than A.

Q20. If F stands second in the ranking, then the position of B is? **(CSAT 2019)**

- (a) Third (b) Fourth
- (c) Fifth (d) Sixth

Q21. If B scores the least, the rank of C will be

(CSAT 2019)

- (a) Second (b) Third
- (c) Fourth (d) Second or third

Q22. If E is ranked third, then which one of the following is correct? **(CSAT 2019)**

- (a) E gets more marks than C
- (b) C gets more marks than E
- (c) A is ranked fourth
- (d) D is ranked fifth

The details given below relate to the FOUR items that follow:

Amit wishes to buy a magazine. Four magazines - one each on politics, sports, science, and films and published by Aryan, Bharat, Charan, and Dev Publishers (not necessarily in that order). Further, it is given that **(UPSC 2004)**

- (i) Dev Publishers have published the magazine edited by Feroz.
- (ii) the magazine on politics is published by Aryan Publishers.
- (iii) the magazine on films is edited by Swami and is not published by Charan Publishers.
- (iv) the magazine on science is edited by Ila.

Q23. The magazine on science is published by

- (a) Aryan Publishers
- (b) Bharat Publishers
- (c) Charan Publishers
- (d) Dev Publishers

Q24. The magazine on sports is

- (a) edited by Feroz
- (b) edited by Gurbaksh
- (c) published by Bharat Publishers
- (d) published by Charan Publishers

Q25. The magazine on films is

- (a) published by Dev Publishers
- (b) published by Bharat Publishers
- (c) edited by Gurbaksh
- (d) published by Charan Publishers

Q26. The magazine on politics is

jktuhfr ij if=dk gSA

- (a) edited by Ila
- (b) edited by Gurbaksh
- (c) published by Dev Publishers

(d) published by Charan Publishers

Directions (For the next FOUR items): Based on the information given below, answer the four items which follow it: **(UPSC 2005)**

Gopal, Harsh, Inder, Jai and Krishnan have Ahmedabad, Bhopal, Cuttack, Delhi, and Ernakulam as their hometowns (Not necessarily in that order). They are studying in Engineering, Medical, Commerce, Economics and History Colleges (Not necessarily in that order). None of the five boys is studying in his hometown, but each of them studies in one of the cities given above.

Further, it is given that:

- (i) Gopal's hometown is Ernakulam.
- (ii) Harsh is not studying in Ahmedabad or Bhopal.
- (iii) Economic College is in Bhopal.
- (iv) Inder's hometown is Cuttack.
- (v) Krishnan is studying in Delhi.
- (vi) Jai is studying in Ernakulam and the History College is in his hometown Ahmedabad.
- (vii) Engineering College is situated in Ernakulam.

Based on the information given above answer the next FOUR items: **(UPSC 2005)**

Q27. Which is Krishnan's hometown?

- (a) Ahmedabad
- (b) Cuttack
- (c) Bhopal
- (d) Cannot be determined

Q28. Which College is situated in Inder hometown ?

- (a) Commerce
- (b) Medical.
- (c) Economics
- (d) Commerce or Medical

Q29. Who studies in Bhopal?

- (a) Goyal
- (b) Harsh
- (c) Gopal or Inder
- (d) Inder or Harsh

Q30. If Inder studies in Ahmedabad, then which one of the following is the correct combination of Persons—Hometown—Place of Study ?

- (a) Gopal—Ernakulam—Delhi

(b) Jai—Ahmedabad - Ernakulam

(c) Krishnan—Delhi—Ernakulam

(d) Harsh—Bhopal—Delhi

Q31. Six books A, B, C, D, E and F are placed side by side. B, C and E have blue cover and other books have red cover. Only D and F are new books and the rest are old. A, C and D are law reports and other are Gazetteers. What book is a new law report with a red colour?

(UPSC 2010)

(a) A

(b) B

(c) C

(d) D

Q32. Six persons M, N, O, P, Q and R, are sitting in two rows, three in each. Q is not at the end of any row. P is second to the left of R. O is the neighbour of Q and sitting diagonally opposite to P. N is the neighbour of R. On the basis of above information, who is facing N?

(UPSC 2010)

(b)

R (b) Q

(c) P

(d) M

Q33. In a group of five persons A, B, C, D and E, there is a professor, a doctor, and a lawyer. A and D, are unmarried ladies, and do not work. Of the married couple in the group, E is the husband. B is the brother of A and is neither a doctor nor a lawyer. Who is the professor?

(UPSC 2010)

(a)

B (b) C

(c) A

(d) Cannot be determined

Q34. P, Q, R and S are four men. P is the oldest but not the poorest. R is the richest but not the oldest. Q is the older than S but not than P or R. P is the richer than Q but not than S. The four men can be ordered (descending) in respect of age and richness respectively as

(UPSC 2010)

(a)

PQRS, RPSQ (b)

PRQS, RSPQ

(c) PRQS, RSQP (d) PRSQ, RSPQ

Q35. There is a family of 6 persons A, B, C, D, E and F. There are two married couples in the family. The family members are lawyer, teacher, salesman, engineer, accountant, and doctor. A, the salesman is married to the lady teacher. The doctor is married to the lawyer. F, the accountant is the son of B and brother of E. C, the lawyer is the daughter-in law of A. E is the unmarried engineer. A is the grandfather of F. How is E related to F? **(UPSC 2009)**

- (a) Brother (b) Sister
(c) Father (d) Cannot be determined

Consider the following statements and answer 2 questions on the basis of these statements.

- (i) A guest house has six rooms A, B, C, D, E and F. Among these A and C can accommodate two persons each. The rest can accommodate only one each.
- (ii) Eight guests P, Q, R, S, T, U, W, and X are to be kept in these rooms. Q, T and X are females while the others are males. The two sexes cannot be put together in the same room. No man is willing to stay in room C or F.
- (iii) P wants to be alone but does not want to stay in room B or D. S needs a partner but is not ready to stay with U or W. X does not want to share her room.

Q36. Who among the following will stay in room E?

fuEufyf[kr esa ls dkSu dejk E esa jgsxk\

- (a) U (b) W
(c) P (d) Q

Q37. 'X' will stay in which of the room?

'X' fdl dejs esa jgsxk\

- (a) C (b) E
(c) B (d) F

Directions for next 4 questions:

There are five persons P, Q, R, S, and T. One is tennis player; one is chess player and one is hockey player. P and S are unmarried woman and do not play any sport. None of the woman plays either chess or tennis. Among them there is a married couple in which T is the husband. Q is the brother of R and is neither a chess player nor a hockey player. **(MPPSC 2016)**

(MPPSC 2016)

Q38. Who is the tennis player?

Vsful f[kykM+h dkSu gS\

- (a) P (b) Q
(c) R (d) S

Q39. Who is the hockey player?

g,dh f[kykM+h dkSu gS\

- (a) P (b) Q
(c) R (d) S

Q40. Who is the chess player?

'krjat f[kykM+h dkSu gS\

- (a) P (b) Q
(c) R (d) T

Q41. Who is the wife of T?

T dh iRuh dkSu gS\

- (a) P (b) Q
(c) R (d) S

Q42. In a group of six women, there are four dancers, four vocal musicians, one actress and three violinists. Girija and Vanaja are among the violinists while Jalaja and Shailaja do not know how to play on the violin. Shailaja and Tanuja are among the dancers. Jalaja, Vanaja, Shailaja and Tanuja are all vocal musicians and two of them are also violinists. If Pooja is an actress, who among the following is certainly a dancer and a violinist? **(CSAT 2014)**

- (a) Jalaja
(b) Pooja
(c) Shailaja
(d) Tanuja

Directions for the following 3 (three) items:

Carefully examine the following statements and answer the three items that follow:

Out of four friends A, B, C and D, A and B play football and cricket, B and C play cricket and hockey, A and D play basketball and football, C and D play hockey and basketball.

Q43. Who does not play hockey?

g,dh dkSu ugha [ksyrk gS\ **(CSAT 2013)**

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

Q44. Who plays football, basketball and hockey?

(CSAT 2013)

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

Q45. Which game do B, C and D play?

B, C vkSj D dkSu lk [ksy [ksyrs gSa\
(CSAT 2013)

- (a) Basketball
- (c) Hockey
- (c) Cricket
- (d) Football

Q46. Two men, Anil and David, and two women, Shabnam and Rekha are in a sales group. Only two speak Tamil. The other two speak Marathi. Only one man and one woman can drive a car. Shabnam speaks Marathi. Anil speaks Tamil. Both Rekha and David can drive.

Which of the following statements is true?

(CSAT 2015)

- (a) Both the Tamil speakers can drive a car.
- (b) Both the Marathi speakers can drive a car.
- (c) Both of those who can drive a car speak Marathi.
- (d) One of those who can drive a car speaks Tamil.

Q47. A society consists of only two types of people fighters and cowards. Two cowards are always friends. A fighter and a coward are always enemies. Fighters are indifferent to one another.

If A and B are enemies, C and D are friends, E and F are indifferent to each other, A and E are not enemies, while B and F are enemies.

Which of the following statements is correct?

(CSAT 2015)

- (a) B, C and F are cowards.
- (b) A, E and F are fighters.
- (c) B and E are in the same category.
- (d) A and F are in different categories.

Q48. A ate grapes and pineapple; B ate grapes and oranges; C ate oranges, pineapple, and apple; D ate grapes, apple, and pineapple. After taking fruits, B and C fell sick.

In the light of the above facts, it can be said that the cause of sickness was: **(CSAT 2016)**

(CSAT 2016)

- (a) Apple
- (b) Pineapple
- (c) Grapes
- (d) Oranges

Q49. In a school, there are five teachers A, B, C, D and E. A and B teach Hindi and English. C and B teach English and Geography. D and A teach Mathematics and Hindi. E and B teach History and French. Who teaches maximum number of subjects? **(CSAT 2017)**

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

Q50. In a group of six women, there are four tennis players, four postgraduates in Sociology, one postgraduate in Commerce and three bank employees. Vimala and Kamla are the bank employees while Amala and Komala are unemployed. Komala and Nirmala are among the tennis players. Amala, Kamla, Komala and Nirmala are postgraduates in Sociology of whom two are bank employees. If Shyamala is a postgraduate in Commerce, who among the following is both a tennis player and a bank employee? **(CSAT 2017)**

- a) Amala (b) Komala
- (c) Nirmala (d) Shyamala

EXERCISE ANSWER KEYS AND SOLUTIONS

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. C | 4. A | 5. B |
| 6. A | 7. A | 8. B | 9. B | 10. C |
| 11. B | 12. A | 13. B | 14. A | 15. D |
| 16. A | 17. C | 18. C | 19. A | 20. C |
| 21. D | 22. A | 23. C | 24. A | 25. B |
| 26. B | 27. C | 28. D | 29. C | 30. B |
| 31. D | 32. B | 33. A | 34. B | 35. D |
| 36. C | 37. D | 38. B | 39. C | 40. D |
| 41. C | 42. D | 43. D | 44. A | 45. C |
| 46. D | 47. B | 48. D | 49. B | 50. C |