

Test / Reasoning

Directions (Q. Nos. 1 to 5) *Study the following information to answer the given questions.*

Six Plays-A,B,C,D,E and F are to be staged on six days of the week starting from Monday and ending on Saturday. Play C is staged on Tuesday. Plays A, F and B are staged one after the other in the same order. Play D is not staged on Monday or Wednesday.

- How many plays are staged after play A is staged?
(1) One (2) Two (3) Three
(4) Four (5) Cannot be determined
- Four of the following five form a group based on the days that they are staged. Which one of the does not belong to that group?
(1) EC (2) FD (3) CA
(4) AF (5) BD
- Which play is staged immediately before the day play E is staged?
(1) B (2) A (3) F
(4) D (5) There is no such play staged
- If play D was staged on Monday, which of the following plays would definitely be staged on Saturday (all the other conditions given above remain the same)?
(1) B (2) A (3) E
(4) E or B (5) Cannot be determined
- Which play is staged on Thursday?
(1) B (2) E (3) D
(4) F (5) Cannot be determined

Directions (Q. Nos. 6 to 11) *Study the following information to answer the given questions.*

Nine friends L,M,N,O,P,Q,R,S and T are sitting around a circle facing the centre. T sits fifth to the right of R. N is not an immediate neighbour of either R or T. M sits between S and P. N sits fourth to the left of P. O sits second to the right of Q. S is not an immediate neighbour of T.

- Who is second to the right of M ?
(1)R (2) T (3) L
(4) Cannot be determined (5) None of these
- If all the nine friends are made to sit alphabetically in the clockwise direction starting from L, positions of how many will remain unchanged (excluding L)?

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

- Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which is the one that does not belong to the group ?
(1) LP (2) SP (3) TS
(4) LN (5) QO
- Which of the following is O's position with respect to M in the anti-clockwise direction starting from M ?
(1) Fourth to the left (2) Fifth to the right
(3) Third to the right (4) Fifth to the left
(5) None of the above
- If S : Q then N : ?
(1) R (2) O (3) L
(4) T (5) None of these
- Who is to the immediate left of T ?
(1) O (2) Q (3) L
(4) Cannot be determined (5) None of these

Directions (Q. Nos. 12 to 15) *These questions are based on six statements. For each question, two conclusions numbered I and II are given. you have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically and definitely follows from the given statements disregarding commonly known facts. Give answer*

- if only conclusion I follows
- if only conclusion II follows
- if either conclusion I or conclusion II follows
- if neither conclusion I nor conclusion II follows
- if both conclusions I and II follow

Statements Some necklaces are bangles.
All bangles are ornaments.
Some ornaments are treasures.
No treasure is picture.
All colours are pictures.
Some pictures are necklaces.

12. Conclusions

- All treasures if they are also bangles they are also necessarily ornaments.
- All necklaces if they are also colours they are also necessarily pictures.

13. Conclusions

- I. All ornaments which are necklaces are necessarily bangles.
- II. No colour is treasure.

14. Conclusions

- I. Some colours are necklaces.
- II. Some ornaments are necklaces.

15. Conclusions

- I. Some treasures are not bangles.
- II. Some treasures that are bangles are also necklaces.

Directions (Q. Nos. 16 to 20) *Study the following information to answer the given questions.*

Seven friends T,U,V,W,X,Y and Z are sitting in a straight line facing North. W sits fifth to the right of T. W does not sit at any of extreme ends. Two people sit between Z and X. Y sits third to the left of U. Y sits exactly in the middle. Z is not an immediate neighbour of Y.

16. What is Z's position with respect to W ?

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

17. Who is second to the right of T ?

- (1) Y
- (2) X
- (3) U
- (4) V
- (5) None of these

18. Four of the following five are alike in a certain way based on their seating positions in the above line and so form a group. Which is the one that **does not belong to the group ?**

- (1) UW
- (2) XV
- (3) ZT
- (4) YV
- (5) WX

19. If all the seven friends are made to sit alphabetically from right to left, positions of how many will remain unchanged ?

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

20. Who sit at the extreme ends of the line ?

- (1) XZ
- (2) VX
- (3) YZ
- (4) XT
- (5) TU

Directions (Q. Nos. 21 to 25) *Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer*

- (1) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (2) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (3) if the data either in statement I alone or in statement II alone are sufficient to answer the question

(4) if the data even in both statements I and II together are not sufficient to answer the question

(5) if the data in both statements I and II together are necessary to answer the questions

21. Is S, T's aunt ?

Statements

- I. K is the father of two children P and T.
- II. T is S's niece.

22. Who among S, T, U and V is the tallest ?

Statements

- I. U is shorter than only T.
- II. V is taller than only S.

23. Out of three friends L, M and N each one likes chocolates, ice-cream or chips (not necessarily in the same order). Who, out of the three, likes chips?

Statements

- I. L does not like chocolates.
- II. N likes ice-cream.

24. What is today's date (not taking into account the month and the year)?

Statements

- I. Exactly four weeks ago, the date was 24th.
- II. The previous month was one of the longest months in terms of number of days.

25. How will 'WATCH' be coded in the code language ?

Statements

- I. In that code language, 'PERIL' is coded as 'QFQJM'.
- II. In that code language, 'FOSTERS' is coded as 'GPTSFST'.

26. Effect The temple at the religious site wears a deserted look will with the number of devotees trickling down. Which of the following can be a possible **cause** of the above effect ?

- (1) A structural engineer had visited the temple a month back and had declared the structure unsafe
- (2) The temple is facing a drastic depletion of its funds which had accumulated over the years due to offerings made by devotees
- (3) The local corporation decided to donate a huge amount of money to the temple for its renovations
- (4) The village housing the religious site has qualified priests to perform religious ceremonies
- (5) A famous actor recently visited the temple and paid his respects to the deity

27. Statement The income tax authorities carried out raids at three different business houses in the city last week.

Which of the following can be a possible **effect** of the above statement ?

- (1) The three business houses are regular defaulters in payment of their income tax
- (2) The income tax department had received a tip off about the illegal activities going on in the three business houses
- (3) The government decided to look into the matter and has appointed an inquiry committee

- (4) Other business houses took immediate action to clear off all their income tax dues, in order to avoid a raid on their establishments
- (5) The authorities intend to conduct raids in several other business houses in the vicinity

28. Effect As a step to regulate private hospitals, the state health department is framing rules to ensure all such hospitals are registered with it.

Which of the following can be a possible **cause** of the above statement ?

- (1) The department realised that private hospitals charge much less for treatment as compared to government hospitals
- (2) Government run hospitals do not maintain the same standards as private hospitals
- (3) The department realised that several hospitals were rejecting cases stating lack of infrastructure
- (4) Apart from the number of doctors, nurses and beds, the kind of procedure a hospital can carry out based on its infrastructure will also be registered and detailed
- (5) Private hospitals not registering with the department shall be forced to do so and will have to pay hefty penalties

29. Statement The constable has been recommended for a suitable reward by his superior in recognition of his sincere duty and busting of several gangs of criminals actively involved in the loot and incidents of pick-picketing.

Which of the following can be an **assumption** implicit in the above statement ?

- (1) The superior is certain that the recommendation would be denied
- (2) The number of criminals apprehended by this particular constable was exceptionally high
- (3) The constable desires to be momentarily compensated for his efforts
- (4) The superior wants to set an example for his other juniors by recommending the reward
- (5) Rewards recognising the sincerity and accomplishments of policemen are given

30. Statement The college has finally received accreditation and has gained the status of a deemed university.

Which of the following can be a possible **effect** of the above statement ?

- (1) The principal of the college will now have to be a retired government official
- (2) Number of students seeking admission to this college in the next academic year would drop significantly
- (3) The college will charge lesser fees from all its students despite not getting a grant from the government

- (4) The college will reduce the number of courses that it runs by a significant margin
- (5) The reputation of the college amongst the student population in general has improved

Directions (Q. Nos. 31 to 35) *Study the following information to answer the given questions.*

Seven friends - T,U,V,W,X,Y and Z are students of a school studying in different standards - VI, VII and VIII. Not less than two and not more than three students study in each standard. Each of them likes to play a different sport in his spare time, viz, Carrom, Badminton, Chess, Scrabble, Cards, Table Tennis and Basketball, but not necessarily in the same order.

X does not study in standard VI and likes Table Tennis. The one who likes Chess studies in standard VIII. U studies in standard VII only with Y. V likes Carrom and studies in the same standard as W and T. No one studying in standard VI likes Badminton or Cards. W does not like Basketball and U does not like Cards.

31. Which sport does U like ?

- (1) Table Tennis (2) Badminton (3) Basketball
- (4) Carrom (5) Cannot be determined

32. Who likes to play Scrabble ?

- (1) W (2) U (3) T
- (4) Z (5) None of these

33. Which of the following represents the students studying in standard VIII ?

- (1) X,Y (2) Z,T (3) X,Z
- (4) U,Y (5) None of these

34. Which of the following combinations of student-standard-sport is correct?

- (1) W- VIII- Scrabble
- (2) U- VI- Badminton
- (3) T- VI- Cards
- (4) Z - VIII- Chess
- (5) None is correct

35. Which sport does Y like ?

- (1) Scrabble
- (2) Cards
- (3) Badminton
- (4) Chess
- (5) Cannot be determined

Directions (Q. Nos. 36 to 40) *Study the following information to answer the given questions.*

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement. (All numbers in these questions are two digit numbers)

Input 16 today 32 waiting 21 are 11 people 46 bus 66 long

Step I 16 today 32 waiting 21 11 people 46 bus long are

Step II 16 today 32 waiting 21 people 46 bus 66 long 11 are

Step III 16 today 32 waiting 21 people 46 66 long bus 11 are

Step IV today 32 waiting 21 people 46 66 long 16 bus 11 are

Step V today 32 waiting people 46 66 21 long 16 bus 11 are

Step VI today 32 waiting 46 66 people 21 long 16 bus 11 are

Step VII today waiting 46 66 32 people 21 long 16 bus 11 are

Step VIII waiting 46 66 today 32 people 21 long 16 bus 11 are

Step IX waiting 66 46 today 32 people 21 long 16 bus 11 are

Step X 66 waiting 46 today 32 people 21 long 16 bus 11 are

Step X is the last step of the arrangement of the above input as the intended arrangement is obtained.

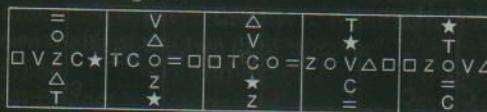
Now, answer the questions based on the following input:

Input 23 you 13 wake 81 me 43 before 72 go 34 up

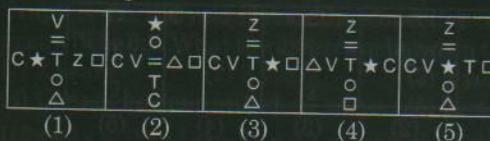
36. Which of these words/numbers would be fourth (from left side) in Step IV for the input?
- (1) me (2) 43 (3) 81
(4) wake (5) None of these
37. The following stands for which step of the rearrangement?
- you wake 81 43 72 34 up me 23 go 13 before
- (1) Step IX (2) Step IV (3) Step VI
(4) Step V (5) None of these
38. Which of the following would be Step II for the above input?
- (1) 23 you wake 81 me 43 72 34 up go 13 before
(2) 23 you 13 wake 81 me 43 72 go 34 up before
(3) 23 you wake 81 me 43 72 go 34 up before 13
(4) 23 you wake 81 me 43 72 go 34 up 13 before
(5) None of the above
39. How many steps would be needed to complete the arrangement for the above input?
- (1) X (2) XI (3) VIII
(4) VII (5) None of these
40. Which of the following would be the last but one step for the input?
- (1) you 81 72 wake up 43 34 me 23 go 13 before
(2) you 81 72 wake 43 up 34 me 23 go 13 before
(3) you wake 81 72 43 up 34 me 23 go 13 before
(4) 81 you 72 wake 43 up 34 me 23 go 13 before
(5) None of the above

Directions (Q. Nos. 41 to 50) In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?

41. Problem Figures



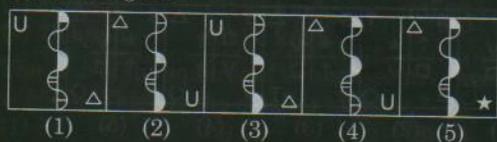
Answer Figures



42. Problem Figures



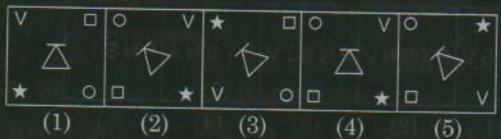
Answer Figures



43. Problem Figures



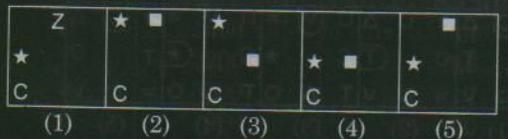
Answer Figures



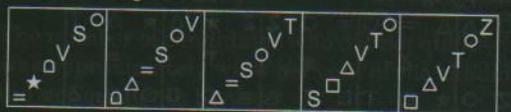
44. Problem Figures



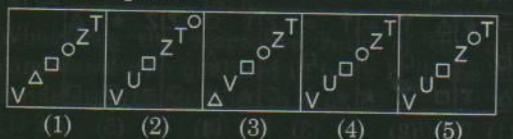
Answer Figures



45. Problem Figures



Answer Figures



46. Problem Figures

3	ω	ω	ω	ω
T	T	⊖	⊖	⊖
C	C	C	⊖	⊖

Answer Figures

⊖	⊖	⊖	⊖	⊖
⊖	⊖	⊖	⊖	⊖
⊖	⊖	⊖	⊖	⊖
(1)	(2)	(3)	(4)	(5)

47. Problem Figures

S	Z	=	S	W	□	=	S	○	=
P C	□ Δ		V □	W □			V □		
Δ □	V ○		○ Δ	□ V			★ ↑		
=	U	U	Z	S	=	○	Δ	Δ	S

Answer Figures

★ V	↑ ★	★ V	□ ↑	★ V
↑ □	□ V	↑ □	V ★	↑ □
○	○	○	○	○
(1)	(2)	(3)	(4)	(5)

48. Problem Figures

PRANK	ANPRT	TANPR	NPTAS	SNPTA
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Answer Figures

PTNSV	PTSNV	PNSTV	PTSNA	PNSTA
(1)	(2)	(3)	(4)	(5)

49. Problem Figures

★	□	=	★	□	V	○	T	T	V	○	C	Δ	★
C	Δ	Δ	C	⊖	□	⊖							○
○	⊖	V	V	⊖	T	Δ	★	C	C	Δ	★	□	V

Answer Figures

★	○	Δ	★	C	Δ	□	V	=	□	V	=	★	○	Δ
○	T	○	⊖	C	★	C	★	T	○					
=	□	V	=	□	V	T	Δ	○	T	Δ	○	=	□	V
(1)	(2)	(3)	(4)	(5)										

50. Problem Figures

★	□	Δ	Δ	=	○	=	○	Z	Z	★	Δ	★	Δ	T
=			Z		★		T		=					
T	Z	○	★	□	T	□	T	Δ	=	○	□	○	□	Z

Answer Figures

○	=	★	Δ	T	=	T	=	Z	T	□	Z	Z	★	Δ
□			○											
Z	Δ	T	□	Z	★	★	Δ	○	★	=	○	=	○	□
(1)	(2)	(3)	(4)	(5)										