

REASONING APTITUDE

Directions (1-5) Some statements are given followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the following conclusions if any, follow from the given statements:

- Statements:** All caps are hat.
Some hat are round Some cat are rounds
No cat is caps
Conclusion: (I) Some hat are not cat
(II) All cat being hat is a possibility
(III) some rounds are not caps
a) Only (I) and (III) follow b) only (III) follow
c) Only (I) and (II) follow d) All follow
e) None of these
- Statements:** Some girls are beautiful
Some cute are beautiful Some cute are men
No men is beautiful
Conclusion:
(I) All cute being beautiful is a possibility
(II) Some girls are not men
(III) All girls being men is a possibility
a) Only (I) and (III) follow b) only (III) follow
c) Only (I) and (II) follow d) All follow
e) None of these
- Statements:** All kings are royal
No king is interesting
Some kings are important
No important is interesting
Conclusion:
(I) All important being royal is a possibility
(II) All interesting being royal is a possibility
(III) Some royal are not interesting
a) Only (I) and (III) follow b) only (III) follow
c) Only (I) and (II) follow d) All follow
e) None of these
- Statements:** All chicken are muttons
No Mutton is fish Some fishes are useless
Some useless are chicken
Conclusion:
(I) All useless being mutton is a possibility
(II) All useless being fishes is a possibility
(III) Some useless are not fish
a) Only (I) and (III) follow b) only (III) follow
c) Only (I) and (II) follow d) All follow
e) None of these
- Statements:** All sweets are laddu
No laddu is barfi All barfi is jalebi

Some jalebi is sweets.

- Conclusion:** (I) Some jalebi is not laddu
(II) Some laddu is sweets
(III) All laddu being sweets is a possibility
a) Only (I) and (III) follow b) only (III) follow
c) Only (I) and (II) follow d) All follow
e) None of these

Directions (6-10): Study the following information carefully to answer the questions given below —
A, B, C, D, E, F and G are seven members of a family. Three of them are women. There are two married couples in the family. Each of them has a different profession-actor, director, producer, spotboy, writer, manager and singer but not necessarily in the same order. B is a director and married to F who is a manager. A is brother of G who is an actor. C is a producer and she is an unmarried woman. D is a spotboy and is sister of G. E is not an writer.

- Which of the following combinations is definitely true ?
(a) B-Male-Manager (b) B-Female- Director
(c) C-Female-Singer
(d) E-Male-Singer (e) D-Male-Actor
- Which of the following combination represents pair of two husbands of married couples ?
(a) BG (b) AF (c) BE
(d) Data insufficient (e) None of these
- What is the profession of E ?
(a) Producer (b) Singer (c) Spotboy
(d) Data insufficient (e) None of these
- What is the profession of A ?
(a) Writer (b) Singer
(c) Writer or Singer
(d) Data insufficient (e) None of these
- Which of the following pairs is a married couple ?
(a) BG (b) AG (c) AC
(d) Data insufficient (e) None of these

Direction (11-15): Study the following information and answer the given questions.

In a certain code language,

- ‘those boys know defaulter’ is written as ‘ma co he mx,
‘defaulter is a better worker’ is written as ‘mx mh la sa ox’,
‘rohan know defaulter’ is written as ‘mx he kl’ and
‘boys is worker of rohan’ is written as ‘kl mh co ze ox’. (All codes are two-letter codes only.)
- What does the code ‘la’ stand for in the given code language?

- (a) Defaulter (b) is (c) a
(d) better (e) Either (c) or (d)
12. What is the code for 'worker'?
- (a) kl (b) ox (c) mh
(d) ze (e) Either (b) or (c)
13. In the given code language, which of the following means 'a better worker'?
- (a) la sa mh (b) sa la ox (c) ox sa mh
(d) Either (a) or (b) (e) mx mh la
14. What does the code 'co' stand for?
- (a) boys (b) know (c) those
(d) Defaulter (e) Either (a) or (c)
15. What is the code for 'those' in the given code language?
- (a) ma (b) he (c) co
(d) mx (e) mh

Directions (16-20): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer.

16. **Statement:** $P < L \leq A > M = K \geq E$
Conclusions: I. $K \leq L$ II. $P < E$
- (a) Only conclusion II is true
(b) Either conclusion I or II is true
(c) Both conclusions I and II are true
(d) Neither conclusion I nor II is true
(e) Only conclusion I is true

17. **Statements:** $P > R = A < Y$; $D < A$
Conclusions: I. $P > D$ II. $D < Y$
- (a) Both conclusions I and II are true
(b) Only conclusion I is true
(c) Neither conclusion I nor II is true
(d) Either conclusion I or II is true
(e) Only conclusion II is true

18. **Statements:** $P > R = A < Y$; $D < A$
Conclusions: I. $P < Y$ II. $R \leq D$
- (a) Both conclusions I and II are true
(b) Neither conclusion I nor II is true
(c) Only conclusion I is true
(d) Only conclusion II is true
(e) Either conclusion I or II is true

19. **Statements:** $C \geq R > A = S \leq H$; $R < P < Q$
Conclusions: I. $C > S$ II. $P < C$
- (a) Either conclusion I or II is true
(b) Both conclusions I and II are true
(c) Only conclusion II is true
(d) Neither conclusion I nor II is true
(e) Only conclusion I is true

20. **Statements:** $C \geq R > A = S \leq H$; $R < P < Q$
Conclusions: I. $H \geq R$ II. $R < Q$
- (a) Both conclusions I and II are true
(b) Only conclusion II is true
(c) Only conclusion I is true
(d) Either conclusion I or II is true
(e) Neither conclusion I nor II is true

Directions (21-25): Study the following information carefully to answer the questions given below —

Mark, Venn, Kevin, Shane, Kane and Starc are six friends studying in different specializations of engineering - Geo science, Telecommunication, Software, Mechanical, Electrical and Petroleum but not necessarily in the same order. Each likes a different game of hockey, cricket, swimming, football, badminton and tennis, but not in the same order. Shane does not study petroleum. Kane studies software and likes hockey. Kevin likes swimming and does not study petroleum. One who likes football studies electrical. Starc studies mechanical and does not like tennis. One who likes badminton studies telecommunication. Mark and Venn do not like badminton. Mark does not like tennis.

21. Which specialization is Venn studying?
- (a) Geo science (b) Mechanical
(c) Petroleum (d) Electrical (e) None of these
22. Which game does Mark like?
- (a) Football (b) Cricket (c) Hockey
(d) Cannot be determined (e) None of these
23. According to the given information which of the following combination of person and specialization is correct?
- (a) Shane-petroleum (b) Venn-electrical
(c) Kevin-geo science (d) Starc-software
(e) None is correct
24. Which game does Starc like?
- (a) Football (b) Cricket (c) Hockey
(d) Cannot be determined (e) None of these
25. Which specialization is Shane studying?
- (a) Geo science (b) Mechanical (c) Petroleum
(d) Electrical (e) None of these

Directions (26-30): Read the following character sequence carefully and then answer the questions given below it:

B C □ 4 × 6 Δ G \$ M P ● 5 % R + ⊕ ÷ V I 7 S 9 X A Z

26. If the first half of the series is reversed and similarly the second half is also reversed, and the reversed second half is written first from left followed by reversed first half, then which of the following will be third to the right of sixteenth character from your right?
- (a) ● (b) 5 (c) %
(d) Z (e) B
27. If every alternate character in the above sequence from left is dropped (drop C first) then which of the following characters will be fourth to the right of fifth characters from the left?
- (a) ⊕ (b) + (c) \$
(d) 5 (e) None of these
28. What will be the last letter of the word made of the second, eleventh, twentieth and twenty-second characters of the given sequence? If no such word can be made your answer is Y. If more than one such word can be made your answer is D.
- (a) C (b) I (c) P

- (d) Y (e) D
29. Which of the following will come in place of the question mark in the following series.
C4Δ 6GP M●R ? ÷I9
(a) 5R÷ (b) +÷7 (c) %+V
(d) ÷I9 (e) I⊕V
30. Which character is midway between fifth from left and fourth right in the above series?
(a) P (b) ● (c) R
(d) 5 (e) %
31. How many such pairs of letters are there in the word EXAMINATION, each of which has as many letters between them in the word, as they have in the English alphabet?
(a) None (b) One (c) Two
(d) Three (e) More than three
32. In a certain code HUMANITY is written as BNVIZUJO. How is EQUATION written in that code?
(a) BVRFPQ (b) BVRFOPJU (c) BUVJPRFO
(d) BVJURFPO (e) None of these
33. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?
(a) Mica (b) Zinc (c) Iron
(d) Chlorine (e) Aluminum
34. If it is possible to make only one meaningful word with the first, the third, the fifth and the eighth letters of the word **SHAREHOLDING**, which of the following will be the second letter of the word ? If no such word can be made, give 'X' as the answer and if more than one such word can be made, give 'Y' as the answer.
(a) L (b) E (c) S
(d) X (e) Y
35. Denial walks 20m north from his house. Then, he turns to his west and covers 8m. Again, he turns south and covers 6m. Finally, turning to east, he covers 8m. How far is he from his house and in which direction?
(a) 12 metres, East (b) 14 metres, North
(c) 20 metres, South (d) 10 metres, West
(e) None of these

