

## REASONING TEST PAPER 2

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### Directions for Qs 1 to 25

#### Passage 1

A, B, G and T are robots and P,Q, R, S ,T& U are machines. No robot can be assigned to more than 1 machine at the same time.

- A and B are required to run machine T
  - Band G are required to run machine R
  - G and T are required to run Machine P
  - Machine Q can be run by only A
  - Machine S and U can be run by any of the robots independently
1. If machine Q is running which other machines cannot run simultaneously?
    - P&S
    - R
    - T
    - S&T
  - 2 .What is the maximum no of machines that can run simultaneously?
    - 2
    - 3
    - 4
    - 5
  - 3 .What is the maximum no of robots that will remain idle with a combination of 3 running machines?
    - 0
    - 1
    - 2
    - 3

#### Passage 2

Salman Khan has not decided on which of the 4 novels to buy. He is considering a thriller, mystery, romance and a fiction novel. The books are written by R,G,Bu,Ho and published by Hr,P,BI and S and not necessarily in that order. The book by R is published by S The thriller is published by Hr The fiction novel is by Bu and is not published by BI The romance is by Ho

4. P publishes
  - mystery
  - fiction
  - novel by R
  - none of these

5. The novel by G is

- A fiction novel
- A thriller published by Hr
- published by Hr is a mystery
- published by P and is a romance

6. Salman Khan purchases books by the 2 authors whose names come first and third in the alphabetical order. He does not buy

- the mystery
- the book published by P
- the fiction novel
- the romance novel

**Directions for questions 7 to 16: Each question below contains six statements followed by four sets of combinations of three. Choose the set in which statements are logically related.**

7. Suresh and Seema are married.

- A. Suresh and Seema were paired at the game
- B. Suresh knows Seema well.
- C. Suresh loves Seema.
- D. Only married couples are paired at the game.
- E. None of those paired at the game are married.

- BFD
- BEA
- AEF
- ACD

8. Most bags are made of leather.

- A. Bags are made of leather.
- B. This item is not a bag.
- C. This item is a bag.
- D. This item is not made of leather.
- E. This item is made of leather.

- ADF
- BCE
- AEF
- BDF

9. CAs are ambitious.

- B. Ambition is a characteristic of all CAs.
- C. Atul is a CA.
- D. Atul is not ambitious.
- E. All ambitious people are CAs.
- F. Atul is ambitious.

- ACE
- CFE
- BCF
- ADE

10. Some men are doctors.

- A. Some men are not doctors.
- B. All doctors are graduates.
- C. Some women are not graduates.
- D. Some men are not graduates.
- E. Some graduates and women are not doctors.

- DAE
- CBA
- DCB
- CEB

11. Some women are aggressive

- A. Aggressive women are unpopular.  
 B. Anita is a woman.  
 C. Anita is aggressive.  
 D. Anita is unpopular.  
 E. All women are unpopular.

CDB                       EBF                       BDE                       ABF

12. All football players play good cricket.  
 A. Many basket ball players are not good football players.  
 B. Naresh is a good football player.  
 C. Naresh plays good cricket.  
 D. Suresh plays cricket well.  
 E. Suresh plays football badly.

ECA                       EBF                       ABD                       ACD

13. All horses are friendly.  
 A. All horses are honest.  
 B. All horses are animals.  
 C. All horses need food.  
 D. All animals need food.  
 E. All animals need shelter.

CDE                       BCD                       CEF                       ABC

14. No CA is a good manager.  
 A. Some CAs are not unprofessional.  
 B. Some good managers are unprofessional.  
 C. No good manager is unprofessional.  
 D. Some good managers are CAs  
 E. All CAs are unprofessional

BCE                       ADF                       BDE                       ABE

15. All Italians are hardworking.  
 A. Some Italians are not hardworking.  
 B. Italians are thrifty.  
 C. Rome is populated only by Italians.  
 D. Some Romans may not be hardworking.  
 E. Some Romans are not hardworking.

BDF                       BDE                       ADE                       DEF

16. All Americans are truthful in speech.  
 A. No American can speak.  
 B. Some Americans are truthful in speech.  
 C. Peter is an American.  
 D. Peter claims to have lied.  
 E. Peter is unable to claim that he has lied.

DEA                       FDC                       BCA                       ADF

**In the following questions a statement is followed by 2 possible implications. Pick up one of the answer choices which is applicable to the question.**

- (A) Only I is an assumption**
- (B) Only II is an assumption**
- (C) Both I and II are assumptions**
- (D) Neither I or II is an assumption**

17. Statement: Only the wearer knows where the shoe bites

Assumptions:

(I)A shoe bites only the bearer

(II)Only wearers have a sense of feeling

- A     B     C     D

18. Statement: Only professionals can be employed. Hence you cannot be employed

Assumptions:

(I)A professional is required

(II)you are not a professional

- A     B     C     D

19. Statement: The government has increased the price of diesel

Assumptions:

(I)The price of diesel was low

(II)People opposed this increase

- A     B     C     D

20. Statement: The best aid to happiness is friendship

Assumptions:

(I)There are many aids to happiness

(II)Man lives for happiness

- A     B     C     D

21. Statement: The situation demanded immediate action

Assumptions:

(I)The situation is serious

(II)It is possible to take immediate action

- A     B     C     D

22. Statement: Shortage of foreign exchange blocks the road of development

Assumptions:

(I)Foreign exchange enables growth

(II)There is a shortage of foreign exchange

- A     B     C     D

23. Statement: Our great leaders wanted the hidden energies of the rural unemployed to be utilized

Assumptions:

(I) People in the villages are unemployed

(II) Our leaders were reformers

A     B     C     D

24. Statement: There is no need to open an educational institutional here

Assumptions:

(I) People in this area do not believe in education

(II) There are many educational institutions in this locality

A     B     C     D

**Study the statements and the two conclusions and state if:**

**(A) Only conclusion I follows**

**(B) Only conclusion II follows**

**(C) Both conclusions I and II follow**

**(D) Neither I or II follow**

25. Statements: Low exports and high growth in imports has led to an adverse foreign exchange position. Due to which the industries have suffered.

Conclusions:

(I) Industries need foreign exchange

(II) Much of the foreign exchange is wasted on imports

A     B     C     D

**Explanation to Paper II**

1. If Q is running A is occupied. Hence only T cannot run **[3]**

2. The maximum no of machines that can be run simultaneously are 3 because the possible combination is only when machines S, U + P/Q/R or T are working. **[2]**

3. When machines Q, S, U are working 3 robots are required. Hence 1 will remain idle. **[2]**

**The following table explains the questions 4 to 6**

Novels	Author	Published
Mystery	R	S
Thriller	G	Hr
Fiction	Bu	P
Romance	Ho	Bl

4. [2] 5. [2] 6. [1]

7[2]

8[2]

9[3]

10[4]

11[3]

12[4]

13[1]

14[2]

15[2]

16[4]

17[4]

18[1]

19[4]

20[1]

21[4]

22[3]

23[1]

24[4]

25[3]