

# TCS NQT Reasoning Ability Test

## Real Company Question By – Mr. Durgesh StudyHub

1. Among 5 objects P, Q, R, S and T

i. R is twice as heavy as T

ii. S is one and half times as heavy as Q

iii. Q and R together weigh as much as S and T together

iv. P and S together are one and half time as heavy as Q and T together.

Which among the five is the heaviest of all?

\*

Q

S

P

R

2. A statement followed by two assumptions numbered I and II. Consider the statement and decide which of the given assumptions is implicit in the statement.

Statement: Even though enough support is provided for potato production and its storage in cold stores, the state will continue to import from other countries

Assumptions:

i. In Spite of the support the potato production and storage will not be able to meet the potatoes by the people in the store.

ii. The state is aware that the demand for potatoes by the consumers would rise substantially in the near future.

Only ii is implicit

Both i and ii are implicit

Neither i nor ii is implicit

Only i is implicit

3. In a certain code,

$M + N$  means M is the son of N,

$M \times N$  means M is the brother of N;

$M \div N$  means M is the husband of N and

$M - N$  means M is the sister of N.

If  $T - P + Q \times R \div S$ , then which of the following is true?

P is the son of S

Q is the uncle of T

S is the sister of Q

S is the aunt of T

4. A team of four players are to be selected from among four girls A,B,C,D and four boys P,Q,R,S such that there would be at least two girls in the team and the team selection should meet the following conditions:

i. B cannot go with R

ii. D and P must go together

iii. S cannot be put up with A

iv. R and C must be together

QBSC

DAPQ

RCQS

BPRA

5. Each of the five students, P, Q, R, S and T studies two subjects from the given subjects named History, Mathematics, English, Sanskrit and Science. Each subject is studied by two students

i. P studies Mathematics and Sanskrit

ii. R studies History and Mathematics

iii. S and T both study English

iv. Q does not study science

Who from the given option studies science?

P

Q

R

S

6. A statement is followed by three assumptions numbered I, II and III. Consider the statement and decide which of the given assumption(s) is/are implicit in the statement.

Statement: Punishment of students in any form by teachers is banned in all schools to preserve the self- confidences of students.

Assumptions:

I. Punishment in a mild form is not a cognizable offence in out-of-school as it is a method for disciplining children.

II. Teachers taking recourse to punishing children will be held accountable for their actions.

III. Punishment might induce fear, negatively affecting students' level of confidence and learning

Only III is implicit

Only I and II are implicit

Only II is implicit

Only II and III are implicit

7. 1600 employees are working in a company in four departments: Accounts, HR, Production and Sales, 20% of the employees are in Accounts with a

male-female ratio of 5:3. 640 are working in Production where the number of males is twice the number of males of the Accounts Department. The number of HR employees is half the number of employees in the Accounts department and 60 of them are females. The number of male employee in the Sales department is same as that of the Production department. How many female employees are working in the company?

600

540

400

500

8. Given below is a question followed by two statements, I and II, each containing some information. Decide which of the statement(s) is/are sufficient to answer the question. How is Sheela exactly related to Ramesh?

Statements:

I. Mary's brother Vikash is married to Sheela and Ramesh's mother is the sister of Mary.

II. Sheela is the sister of Vikash and Vikash's only child is the cousin brother of Ramesh.

Both the statements I and II are necessary

Both the statements I and II together are not sufficient

Statement II alone is sufficient

Statement I alone if sufficient

9. In each of the five pairs of the letter-clusters, the letters in the second term is a rearranged/ transformed form of the letters in the first term in a particular pattern. In which two pairs has the transformation been done the same way?

1) MASON : AMNOS

2) PARTY : APRYT

3) FAULT : AFTLU

4) LODGE : DOLEG

5) CARGO : ACOGS

2 & 3

3 & 4

1 & 3

4 & 5

10. There are five rods K, L, M, N and O. The weight of L is equal to the weights of K and M taken together. The weight of M is twice the weight of K. The weight of N is three times the weight of M. If the weight of N is 90 kg, what will be the weight of O?

120 kg

160 kg

105 kg

90 kg

11. The following are the criteria of selecting a Software Engineer for an IT company.

The candidates must:

- a. Have completed BCA with more than 70% marks
- b. Be more than 25 years and less than 30 years of age as on June 1, 2020.
- c. Have secured more than 75% marks in the interview and more than 60% marks in the written test.

However, if the candidate fulfills all of the above criteria except:

- d. At b, but has completed MCA with at least 75% marks, his/her case is to be referred to the Managing Director.
- e. At c, but has secured more than 85% marks in BCA, his/ her case is to be referred to the Chief Executive Officer.

Keith completed BCA and MCA with 76% and 72% marks respectively. He has completed 27 years of age in the year 2019. He has secured 65% marks in the written test and 78% marks in the interview.

What decision would be taken in his case?

His case is to be referred to the Managing Director

He would not be selected

His case is to be referred to the Chief Executive Officer.

He would be selected.

12. Four friends A, B, C and D have one of the four professions i.e. Doctor, Architect, Engineer and Lawyer. Each friend belongs to one of the four different cities Chandigarh, Indore, Lucknow and Pune. A is not a lawyer or engineer. The doctor is from Lucknow. D is an architect. The lawyer is from Pune. The engineer is neither from Chandigarh nor from Pune. D is not from Pune, C is not from Indore.

Which of the following statements is true about B?

B is a lawyer and belongs to Pune

B is a doctor and belongs to Pune

B is a lawyer and belongs to Chandigarh

B is a doctor and belongs to Chandigarh

13. Which is the wrong term in the following series?

CMQ, FPT, JTX, OYC, UFI

FPT

OYC

JTX

UFI

14. In a certain code,

A % B means 'A is the brother of B',

A & B means 'A is the mother of B',

A @ B means 'A is the daughter of B',

A \$ B means 'A is the father of B' and

A # B means 'A is the sister of B'.

If K \$ Z % U & H # N @ T, how is T related to U?

Sister

Husband

Wife

Brother

15. Nehal, Iqbal, Ronit, Malin and Harbhajan participate in any one of the five activities i.e. Quiz, Singing, Dance, Debate and Mimicry. Ronit participates in Singing. Harbhajan does not participate in Debate and Mimicry. Malini does not participate in Mimicry. Iqbal participates in Quiz.

Who participates in Debate?

Malini

Nehal or Malini

Nehal

Cannot be determine

16. Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All animals are plants.

All plants are shrubs.

Conclusions:

I. Some shrubs are plants

II. Some animals are not shrubs

III. All animals are shrubs

None of the conclusions follow

Only conclusions I and III follow

Only conclusion II follows

Only conclusions I and II follow

17. Given below is a question followed by two statements I and II, each containing some information. Decide which of the statements are sufficient to answer the question that follows.

How many Rs. would Shalini need to spend to buy 11 pencils and 14 pens?

I. Shalini spent an amount of Rs.201 to buy 15 pencils and 12 pens. II. Shalini spent an amount of Rs.121 to buy 7 pencils and 9 pens.

The combination of both the statements I and II are not sufficient.

Statement II alone is sufficient.

Statement I alone is sufficient.

The combination of both the statements I and II are necessary.

18. Choose the best option.

Statement: Air quality has been polluted due to the increasing number of two-wheelers and four-wheelers.

Courses of action:

I. There should be a complete ban on the sale of two-wheelers at least for the next 5 years.

II. Monitoring should take place to ensure that the vehicle's owners get their vehicles checked and certified for pollution-control.

III. Four wheelers cause more pollution, hence four-wheelers alone can be banned from running on the roads.

None of the options follow

Only II follows

Only III follows

Only I follows

19. In a certain code,  $K * N$  means K is the brother of N,  $K+N$  means K is the husband of N,  $K \times N$  means K is the mother of N and  $K/N$  means K is the sister of N.

Which of the following expression means 'C is the daughter of Y'?

$Y + R \times H / C * V$

$Y + R \times H * C / V$

$Y \times R + H * C / V$

$Y + R \times C * H / V$

20. Five teachers P, Q, R, S and T teach a group of students in sequence between 9 am and 2 pm. Each teacher teaches for one hour. Q takes the first class. S teaches just after T. R teaches before P and T.

Who takes the second class from 10 am to 11 am?



\*

S

R

P

T

1. A statement is followed by three assumptions numbered I and II. Consider the statement and decide which of the given assumption(s) is/are implicit in the statement

Statement:

The advancement of technology will lead to increase in the sale of smartphone due to its multipurpose usage

Assumptions:

I. With the help of smartphone people uses many facilities that are available online now a day

II. There are more functions of smartphone rather than just conversation

\*

1 point

A. Neither I nor II is implicit

B. Both I and II are implicit

C. Only II is implicit

D. Only I is implicit

2. Given below is a question followed by two statements I and II, each containing some information. Decide which of the statements is/are sufficient to answer the questionWhat is the age of Sumit?

Statements:

I. Sumit is five years younger than Amit, who is double the age of Prateek

II. Prateek is 10 years older than Ravi, whose age is 22 years

\*

1 point

- A. Statement II alone is sufficient
- B. Both statements I and II are necessary
- C. Statement I alone is sufficient
- D. Both statements I and II are not sufficient

3. In a certain code,

P @ R means P is the grandson of R;

P \$ R means P is the brother of R;

P # R means P is the mother of R.

If A @ B # C \$ D, then how is B related to D?

\*

1 point

- A. Mother
- B. Husband
- C. Son
- D. Sister

4. A statement is followed by three courses of action numbered I, II and III. Assuming everything in the statement to be true, decide which of the suggested courses of action (a decision to be taken for follow up/improvement in regard to the problem) logically follow(s) for pursuing

Statement:

In one of the worst road accident, 15 people died when a roadways bus carrying them collided on to a running track

Course of Action:

- I. The bus driver should immediately be suspended without any enquiry
- II. The Government should make the markings to all the accident prone areas
- III. The department of roadways should hold an enquiry at every level and try punish those who are responsible for the negligence in the court

1 point

A. Only II follows for pursuing

B. Both I and III follow for pursuing

C. Only I follows for pursuing

D. Both II and III follow for pursuing

5. The following are the criteria for selecting trainees for the IT department of a company.

The candidate must

1. Be an engineering graduate in IT or Computer Science or Electronics with at least 65% of marks

2. Be not less than 22 years and not more than 27 years of age as on 1.3.2020

3. Have secured more than 80% in HSC examination

4. Have scored at least 60% in the written test and at least 50% in the interview

However if the candidate fulfils all the above except

(i) at 2 and/or 3 but has scored at least 70% in the written test and 60% in the interview his/her case is referred to the General Manager, HR

(ii) at 3 and/or 4 but has secured more than 75% in the engineering examination his/her case is to be referred to the VP, HR

Based on the criteria given above and without adding any additional information, you have to make a decision for the candidate whose profile has been given below. Mark your answer by choosing the appropriate alternative.

Poonam passed graduate engineering in computer science in 2015 at the age of 21 years with 78% of marks. She scored 65% in the interview as well as in the written test. She has secured 80% of marks in the HSC examination.

What decision would be taken in her case?

\*

1 point

A. Her case is to be referred to the VP, HR

B. Her case is to be referred to the General manager, HR

C. She is not to be selected

D. She is to be selected

6. Three sentences are followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, if they do not conform to real world knowledge, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All organizers are participants  
Some organizers are managers  
All managers are females

Conclusions:

I. Some participants are managers

II. Some females are participants

III. No females is an organizer  
IV. All participants are females

\*

1 point

A. Only conclusion I, II and III follow

B. Only conclusion I and IV follow

C. Only conclusion I and II follow

D. Only conclusion II, III and IV follow

7. Six friends P, Q, R, S, T and U are in a group

I. Q and R are shorter than U but heavier than P

II. S is heavier than Q and taller than R

III. T is shorter than S but taller than U

IV. U is heavier than S

V. P is shorter than T but taller than U

Who is the fourth from the top when they are arranged in descending order of the heights in the group?

\*

1 point

S

U

P

T

8. Read the following information carefully and answer the given questions.

The candidate must :

1. Have completed graduation from any stream with more than 70%
2. Be less than 30 years of age as on June 1, 2020
3. Have completed a PG Diploma in Creative writing with at least 75% marks

However if the candidate fulfils all the above criteria except

(i) 4 at 2 but has done post graduation in Journalism his/her case is to be referred to the Vice President

(ii) 5 at 3 but has secured more than 85% marks in graduation, his/her case is to be referred to the senior creative manager

Natasha completed her graduation from commerce stream with 70% marks. She completed her post-graduation in journalism in 2018 at the age of 29 years. She has also completed her PG diploma in creative writing with 75% marks.

\*

1 point

- A. Her case is to be referred to the senior creative manager
- B. Her case is to be referred to the Vice President
- C. She would not be selected
- D. She would be selected

9. The following are the criteria of recruitment for the post of Technical Assistants at an organization

The candidates must:

(a) have completed B.Tech in Electrical Engineering with more than 80% marks

(b) be willing to execute a bond of not leaving the job at least for two years

(c) have secured more than 85% marks in the written test and more than 70% marks in the Personal Interview

(d) be willing to relocate to the head office located at NEw Delhi

However, if the candidate fulfils all the above criteria except(e) at (b), but has at least two years work experience as Technical Assistant, his/her case is to be referred to the General Manager.(f) at (c), but has also completed M.Tech in Electrical Engineering, his/her case is to be referred to the Head (Operations).

Preksha has completed B.Tech and M.Tech in Electrical Engineering with 82% marks in both the examinations. She has secured 72% marks in Personal Interview and 88% marks in written test. She is willing to relocate to the head office at New Delhi. She is willing to execute a bond of not leaving the job for one year. She has got three years' work experience as Technical Assistant.

1 point

A. Her case is to be referred to the Head(Operations)

B. The candidate would be recruited

C. The candidate would not be recruited

D. Her case is to be referred to the General Manager

10. The management of organization has decided to give free lunch from next month to all employees

Course of Action

I. The organization would appoint Chefs who would prepare healthy and tasty food for the staff.

II. The pantry facilities have to be checked and new purchases have to be made.

III. Funds will have to be allocated to facilitate the new pantry facilities.

\*

1 point

A. Only I and II follow

B. All of I, II and III follow

C. Only I follows

D. Only III follows

11. Which is the wrong term in the following series? RSPH, UWUN, XAZT, AEEZ, DIKG

1 point

A. UWUN

B. AEEZ

C. DIKG

D. RSPH

12. Nehal, Iqbal, Ronit, Malini and Harbhajan participate in any one of the five activities i.e. Quiz, Singing, Dance, Debate and Mimicry. Ronit participates in Singing, Harbhajan does not participate in Debate and Mimicry. Malini does not participate in mimicry. Iqbal participates in Quiz. Who participates in Debate?

1 point

A. Cannot be determined

B. Nehal or Malini

C. Malini

D. Nehal

13. In a certain code,

P + Q means P is the father of Q,

P - Q means P is the wife of Q.

P x Q means P is the daughter of Q and

P/Q means P is the brother of Q

If  $F \times G - H + J/K$ , which of the following statements may not be true?

\*

1 point

A. H is the father of K

B. K is the son of G

C. J is the brother of F

D. F is the sister of K

14. Seven friends A, B, C, D, E, F and G play one of the seven musical instruments i.e. guitar, flute, dholak, Congo, piano, drum and violin. E does not play Congo. A, E and G does not play violin, flute and guitar. F plays piano. D plays drum. Who plays Congo?

1 point

A

B

G

C

15. In a certain code,

A%B means A is the husband of B

A&B means A is the son of B,

A#B means A is the wife of B,

A@B means A is the daughter of B,

A\$B means A is the sister of B.

If Q \$ M \$ P @ C # H & R % Z then which of the following statement is NOT correct?

\*

1 point

A. H is father of Q.

B. Z is mother-in-law of C.

C. R is maternal grandfather of Q.

D. Z is mother of H.

16. Eight friends A, B, C, D, E, F, G and H are sitting around a circular table clockwise in the same sequence around a circular table facing the centre at equal distance between them. Who is sitting in the South-east direction?

Statements:

I. C is sitting diagonally opposite to G.



II. B is sitting in West direction.

\*

1 point

- A. Both the Statements I and II together are necessary
- B. Statement II alone is sufficient
- C. Both the Statements I and II together are not sufficient
- D. Statement I alone is sufficient

17. Happiness of a person does not depend only on his wealth.

Assumptions

- I. Overall well being is also important which contributes to happiness.
- II. Wealth alone does not provide happiness
- III. The main objective of most of the persons is just acquiring more wealth

\*

1 point

- A. Only I and II are implicit
- B. Only III is implicit
- C. Only I is implicit
- D. Only II is implicit

18. Statements:

No cylinder is a drum. All balls are cylinders.

Conclusions:

- I. No drum is a cylinder.
- II. Some cylinders are balls.
- III. No ball is drum.

1 point

- A. Only conclusion I and III follow

B. Only conclusion II and III follow

C. All of the conclusions follow

D. Only conclusion I and II follows

19. Given below is a question followed by two statements, I and II, each containing some information. Decide which of the statement/s is/are sufficient to answer the question.

Is the expression 'B > E' correct?

I.  $B = C > D > F = M$

II.  $H = M > T > E = P$

\*

1 point

A. Both the Statements I and II together are necessary

B. Statement II alone is sufficient

C. Both the Statements I and II together are not sufficient

D. Statement I alone is sufficient

20. In a coded form,

A + B means A is the father of B;

A x B means A is the son of B and

A/B means A is the brother of B.

Which of the following shows that P is the nephew of R?

\*

1 point

A.  $Q/P \times R + S$

B.  $P + Q/R \times S$

C.  $P \times Q/R + S$

D.  $P \times Q + R/S$

Q1. In each of the five pairs of the letter-clusters, the letters in the second term is a rearranged/ transformed form of the letters in the first

term in a particular pattern. In which two pairs has the transformation been done the same way?

- 1) MASON : AMNOS
- 2) PARTY : APRYT
- 3) FAULT : AFTLU
- 4) LODGE : DOLEG
- 5) CARGO : ACOGS

\*

1 point

- A. 2) and 3)
- B. 3) and 4)
- C. 1) and 3)
- D. 4) and 5)

Q2. There are five rods K, L, M, N and O. The weight of L is equal to the weights of K and M taken together. The weight of M is twice the weight of K. The weight of N is three times the weight of M. If the weight of N is 90 kg, what will be the weight of O?

\*

1 point

- A. 120 kg
- B. 60 kg
- C. 105 kg
- D. 90 kg

Q3. The following are the criteria of selecting a Software Engineer for an IT company. The candidates must:

- a. Have completed BCA with more than 70% marks
- b. Be more than 25 years and less than 30 years of age as on June 1, 2020
- c. Have secured more than 75% marks in the interview and more than 60% marks in the written test.

However, if the candidate fulfills all of the above criteria except:

d. At b, but has completed MCA with at least 75% marks, his/her case is to be referred to the Managing Director.

e. At c, but has secured more than 85% marks in BCA, his/ her case is to be referred to the Chief Executive Officer.

Keith completed BCA and MCA with 76% and 72% marks respectively. He has completed 27 years of age in the year 2019. He has secured 65% marks in the written test and 78% marks in the interview. What decision would be taken in his case?

\*

1 point

A. His case is to be referred to the Managing Director

B. He would not be selected

C. His case is to be referred to the Chief Executive Officer.

D. He would be selected.

Q4. A statement is followed by two assumptions numbered I and II. Consider the statement and decide which of the given assumption(s) is/ are implicit in the statement.

Statement

If he is a hard worker, he will succeed in life.

Assumptions

I. To succeed, he must be a hard worker.

II. He will succeed in life.

\*

1 point

A. Only I is implicit

B. None of I and II are implicit

C. Only II is implicit

D. Both I and II are implicit

Q5. Four friends A, B, C and D have one of the four professions i.e. Doctor, Architect, Engineer and Lawyer. Each friend belongs to one of the four different cities Chandigarh, Indore, Lucknow and Pune. A is not a lawyer or engineer. The doctor is from Lucknow. D is an architect. The lawyer is from Pune. The engineer is neither from Chandigarh nor from Pune. D is not from Pune, C is not from Indore. Which of the following statements is true about B?

\*

1 point

- A. B is a lawyer and belongs to Pune
- B. B is a doctor and belongs to Pune
- C. B is a lawyer and belongs to Chandigarh
- D. B is a doctor and belongs to Chandigarh

Q6. Which is the wrong term in the following series?

CMQ, FPT, JTX, OYC, UFI

\*

1 point

- A. FPT
- B. OYC
- C. JTX
- D. UFI

Q7. Deepika appeared in five subjects, P, Q, R, S and T in an examination. She has scored an average of 36 marks in all subjects. Her mark in subject S is 5 marks more than that in subject T while in subject T she scored 8 marks fewer than in P and in subject Q she scored as many as in subject S and T. She scored a total 107 in both subject Q and R. How many marks Deepika obtained in subject T?

\*

1 point

- A. 30
- B. 52
- C. 65

D. 20

Q8. Given below is a question followed by three statements, I, II and III, each containing some information. Decide which of the statement(s) is/are sufficient to answer the question.

How is A related to B?

Statements:

I. A is husband of C.

II. C has two children B and D.

III. C is married to D's father A. How is A related to B?

\*

1 point

A. Statement III alone is sufficient

B. Either I and II or II and III together are sufficient

C. Statement II alone is sufficient

D. Statement I alone is sufficient

Q9. In the following diagram, the triangle stands for 'males', the circle for 'doctors', the rectangle for 'government employed', the hexagon for 'corona warriors'. The numbers in different segments show the number of persons for that segment. How many government employed doctors are Corona warriors but are not males?

\*

1 point

Captionless Image

A. 23

B. 16

C. 14

D. 7

Q10. In a certain code,

A % B means 'A is the brother of B',

A & B means 'A is the mother of B',

A @ B means 'A is the daughter of B',

A \$ B means 'A is the father of B' and

A # B means 'A is the sister of B'.

If K \$ Z % U & H # N @ T, how is T related to U?

\*

1 point

A. Sister

B. Husband

C. Wife

D. Brother

Direction (Q11 to 12).

The number of employees working in six different departments of two companies A and B are given below. Study the given data and answer the questions that follow.

Q11. If 30 employees of the Planning department quit Company B and join the Planning department of Company A, then what is the percentage of employees in the Planning department in the total employees in Company A?

\*

1 point

Captionless Image

A. 5.34%

B. 6.16%

C. 6.32%

D. 4.48%

Q12. What is the percentage difference between the employees working the Production department of Company A and Company B?

\*

1 point

- A. 2.27%
- B. 1.15%
- C. 1.52%
- D. 3.21%

Q13. Nehal, Iqbal, Ronit, Malin and Harbhajan participate in any one of the five activities i.e. Quiz, Singing, Dance, Debate and Mimicry. Ronit participates in Singing. Harbhajan does not participate in Debate and Mimicry. Malini does not participate in Mimicry. Iqbal participates in Quiz. Who participates in Debate?

\*

1 point

- A. Malini
- B. Nehal or Malini
- C. Nehal
- D. Cannot be determined

Q14. Select the figure that will replace the question mark in the following figure series.

\*

1 point

Captionless Image

- A.
- B.
- C.
- D.

1. There are five persons in a group: Raju, Sanjay, Deepak, Suresh and Mukesh. Deepak is elder to Raju, but not tall as Suresh. Suresh is younger to Sanjay and taller than Mukesh and Raju. Sanjay is taller than Mukesh but not taller than Raju. Mukesh is elder to Sanjay but the shortest of all friends. Who among the following is the eldest?

\*

Suresh



Sanjay

Either Deepak or Mukesh

Deepak

2. Given below is a question followed by two statements, I and II each containing some information.

Decide which of the statements is/are sufficient to answer the question  
In a row, Vijay is sitting exactly in the middle of Ambar and Sonam. What is Vijay's position from the right end of the row?

Statements:

I. Vijay is 16th from the left and is separated by four persons from Ambar who is to his left and if Ambar interchanges his position with Sonam, he becomes 15th from the right

II. Vijay is 16th from the left and if Sonam changes her position with Ambar, she becomes 11th from left

\*

Both the statements I and II are not sufficient

Either statement I alone or statement II alone is sufficient

Statement I alone is sufficient

Statement II alone is sufficient

3. Four Statements are given followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. All vegetables are fruit

2. No carrot is fruit

3. Some roots are carrot

4. All roots are eatables

Conclusions:

I. Some fruits are eatables

II. No root is vegetable  
III. Some eatables are carrots  
IV. Some roots are vegetables

\*

Only conclusion II, III and IV follow

Only conclusion III and IV follow

Only I and either II or IV follow

Only III and either II or IV follow

4. Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table facing the centre. U is sitting between S and W. P is facing W and T is second to the left of W. S is third to the right of Q, who is second to the right of V. Who is sitting between R and V?

S

P

T

Q

5. Read the following information carefully and answer the given question:

A public charitable organization desires to select a candidate for the post of programme Coordinator for a health project, based on the following criteria:

The Candidate must

(i) hold B.E. degree with minimum 60% marks and above

(ii) have an experience of 5 years in the relevant field

(iii) be ready to execute a bond of three years of service

In case of the applicant who satisfies all other criteria except -

1. At (i) above, but has B.E. degree with minimum 55% marks but has completed M.Tech with 50%, his/her case is to be referred to the secretary.

2. At (ii) above, but has 3 years full time experience as a programme manager, his/her case is to be referred to the project director

3. At (iii) above, but is ready to give Rs.30,000/- as secure money, his/her case is to be referred to the president of the trust. Based on the criteria and information provided decide the course of action.

Jayvinder has completed B.E degree with 56% marks and also has M.Tech with 55% marks, he has been working for 6 years in a Government Funding Health Project. He is ready to execute a bond of 3 years of service. What decision would be taken for him?

\*

Refer to project director

Refer to secretary of trust

Refer to president of trust

He would be selected

6. In a certain code, if  $A + B$  means A is the wife of B,  $A \times B$  means A is the son of B,  $A/B$  means A is the brother of B then, What is the meaning of the expression  $H/K \times S + M$ ?

K is the brother of M

H is the brother of M

H is the son of M

M is the son of H

7. Given below is a question followed by two statements I and II, each containing some information.

Decide which of the statements is/are sufficient to answer the question  
How much did Mayank get as profit at the year-end in business done by Abinash, Mayank and Pankaj?

Statements:

I. Abinash invested Rs.6000 every month for eight months and earned a profit which was one and a half times that of Mayank while that of Abinash's total investment is three times than that of Pankaj.

II. Pankaj and Mayank invested for one year in the ratio of 1:2 and the total profit earned by all three was Rs.3600

Statement II alone is sufficient

Both statements I and II are not sufficient

statements I and II are necessary

Statement I alone is sufficient

8. There are four friends Roy, Prem, Amar and Dhir

1. Each one plays one of the following games - Badminton, Hockey, Tennis and Cricket.
2. Each owns only one of the following coloured cars - Red, Blue, White and Yellow.
3. Prem owns a white car and plays cricket.
4. Amar does not play either Badminton or Tennis and does not own a yellow car.
5. Dhir does not play Badminton and owns a red car.

Who plays Badminton and owns a yellow car?

\*

Amar

Dhir

Roy

Prem

9. In a family of 7 persons having 4 female and 3 male members, P is the brother of Q and son of R. R has two children and two grandchildren. V is the daughter of S who is the son-in-law of R. W is the nephew of Q and son of T. How is V related to T?

Cousin sister

Niece

Nephew

Sister-in-law

10. Which is the wrong term in the following series?

jkl, lin, mho, ofq, per, rds, sbu

sbu

per

ofq

rds

11. A statement is followed by three assumptions numbered I and II.

Consider the statement and decide which of the given assumption(s) is/are implicit in the statement

Statement:

The advancement of technology will lead to increase in the sale of smartphone due to its multipurpose usage.

Assumptions:

I. With the help of smartphone people uses many facilities that are available online now a day.

II. There are more functions of smartphone rather than just conversation.

A. Neither I nor II is implicit

B. Both I and II are implicit

C. Only II is implicit

D. Only I is implicit

12. Given below is a question followed by two statements I and II, each containing some information. Decide which of the statements is/are sufficient to answer the questionWhat is the age of Sumit?

Statements:

I.Sumit is five years younger than Amit, who is double the age of Prateek

II. Prateek is 10 years older than Ravi, whose age is 22 years

\*

A. Statement II alone is sufficient

B. Both statements I and II are necessary

C. Statement I alone is sufficient

D. Both statements I and II are not sufficient

13. In each of the five pairs of letter-clusters, the letters in the second term is a rearranged / transformed form of the letters in the first term in a particular pattern. In which two pairs, has the transformation been done the same way?

P. MASON : AMNOS

Q. PARTY : APRYT

R. FAULT : AFTLU

S. LODGE : DOLEG

T. CARGO : ACOGS

S and T

P and R

Q and R

R and S

14. A statement is followed by three courses of action numbered I, II and III. Assuming everything in the statement to be true, decide which of the suggested courses of action (a decision to be taken for follow up/improvement in regard to the problem) logically follow(s) for pursuing

Statement:

In one of the worst road accident, 15 people died when a roadways bus carrying them collided on to a running track

Course of Action:

I. The bus driver should immediately be suspended without any enquiry

II. The Government should make the markings to all the accident prone areas

III. The department of roadways should hold an enquiry at every level and try punish those who are responsible for the negligence in the court

\*

A. Only II follows for pursuing

B. Both I and III follow for pursuing

C. Only I follows for pursuing

D. Both II and III follow for pursuing

15. The following are the criteria for selecting trainees for the IT department of a company.

The candidate must

1. Be an engineering graduate in IT or Computer Science or Electronics with at least 65% of marks

2. Be not less than 22 years and not more than 27 years of age as on 1.3.2020

3. Have secured more than 80% in HSC examination

4. Have scored at least 60% in the written test and at least 50% in the interview

However if the candidate fulfils all the above except

(i) at 2 and/or 3 but has scored at least 70% in the written test and 60% in the interview his/her case is referred to the General Manager, HR

(ii) at 3 and/or 4 but has secured more than 75% in the engineering examination his/her case is to be referred to the VP, HR

Based on the criteria given above and without adding any additional information, you have to make a decision for the candidate whose profile has been given below.

Mark your answer by choosing the appropriate alternative Poonam passed graduate engineering in computer science in 2015 at the age of 21 years with 78% of marks. She scored 65% in the interview as well as in the written test. She has secured 80% of marks in the HSC examination.

What decision would be taken in her case?

\*

A. Her case is to be referred to the VP, HR

B. Her case is to be referred to the General manager, HR

C. She is not to be selected

D. She is to be selected

16. Three sentences are followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, if they do not conform to real world knowledge, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All organizers are participants Some organizers are managers

All managers are females

Conclusions:

I. Some participants are managers

II. Some females are participants

III. No females is an organizer

IV. All participants are females

\*

A. Only conclusion I, II and III follow

B. Only conclusion I and IV follow

C. Only conclusion I and II follow

D. Only conclusion II, III and IV follow

17. Six friends P, Q, R, S, T and U are in a group

I. Q and R are shorter than U but heavier than P

II. S is heavier than Q and taller than R

III. T is shorter than S but taller than U

IV. U is heavier than S

V. P is shorter than T but taller than U

Who is the fourth from the top when they are arranged in descending order of the heights in the group?

S

U

P

T

18. Read the following information carefully and answer the given questions.

The candidate must :

1. Have completed graduation from any stream with more than 70%

2. Be less than 30 years of age as on June 1, 2020

3. Have completed a PG Diploma in Creative writing with at least 75% marks

However if the candidate fulfils all the above criteria except



(i) 4 at 2 but has done post graduation in Journalism his/her case is to be referred to the Vice President

(ii) 5 at 3 but has secured more than 85% marks in graduation, his/her case is to be referred to the senior creative manager

Natasha completed her graduation from commerce stream with 70% marks. She completed her post-graduation in journalism in 2018 at the age of 29 years. She has also completed her PG diploma in creative writing with 75% marks.

A. Her case is to be referred to the senior creative manager

B. Her case is to be referred to the Vice President

C. She would not be selected

D. She would be selected

19. The following are the criteria of recruitment for the post of Technical Assistants at an organization

The candidates must:

(a) have completed B.Tech in Electrical Engineering with more than 80% marks

(b) be willing to execute a bond of not leaving the job at least for two years

(c) have secured more than 85% marks in the written test and more than 70% marks in the Personal Interview

(d) be willing to relocate to the head office located at New Delhi

However, if the candidate fulfils all the above criteria except (e) at (b), but has at least two years work experience as Technical Assistant, his/her case is to be referred to the General Manager. (f) at (c), but has also completed M.Tech in Electrical Engineering, his/her case is to be referred to the Head (Operations).

Preksha has completed B.Tech and M.Tech in Electrical Engineering with 82% marks in both the examinations. She has secured 72% marks in Personal Interview and 88% marks in written test. She is willing to relocate to the head office at New Delhi. She is willing to execute a bond of not leaving the job for one year. She has got three years' work experience as Technical Assistant.

\*

A. Her case is to be referred to the Head(Operations)

B. The candidate would be recruited

C. The candidate would not be recruited

D. Her case is to be referred to the General Manager

20. The management of organization has decided to give free lunch from next month to all employees

Courses of Action

I. The organization would appoint Chefs who would prepare healthy and tasty food for the staff.

II. The pantry facilities have to be checked and new purchases have to be made.

III. Funds will have to be allocated to facilitate the new pantry facilities.

\*

A. Only I and II follow

B. All of I, II and III follow

C. Only I follows

D. Only III follows