L & T InfoTech Placement Papers

Reasoning (30 questions)

Answer Questions 1 to 5 on the basis of the information given below:

The only people to attend a conference were four ship captains and the first mates of three of those captains. The captains were L, M, N and O; the first mates were A, D and G Each person in turn delivered a report to the assembly as follows:

Each of the first mates delivered their report exactly after his or her captain. The first captain to speak was M, and captain N spoke after him.

1. Among the following which is not an appropriate order of delivered reports?

M, A, N, G, O, L, D

M, D, N, G, L, O, A

M, N, A, L, D, O, G

M, N, A, O, D, L, G

M, N, G, D, O, L, A

Ans : E

2. In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be untrue?

O spoke immediately after G.

The order of the first four speakers was M, G, N, D.

O's first mate was present.

A was the fourth speaker after M.

The captains spoke in the order M, N, O, L.

Ans : D

3. Among the following statements which statement must be true?

In case the second speaker was a captain, the seventh speaker was a first mate.

In case the second speaker was a first mate, the seventh speaker was a captain.

In case the third speaker was a first mate, the seventh speaker was a captain.

In case the third speaker was a captain, the seventh speaker was a first mate.

In case the seventh speaker was a first mate, the first and third speakers were captains.

Ans : A

4. In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke

second

third

fourth

fifth

sixth

Ans : C

5. In case G is M's first mate, D could be the person who spoke immediately

prior to T

prior to L

prior to V

after T

after V

Ans : D

6. At the college entrance exam, a candidate is admitted according to whether he has passed or failed the test. Of the candidates who are really capable, 80 % pass the test and of the incapable, 25 % pass the test. Given that 40 % of the candidates are really capable, then the proportion of the really capable students who can pass the test to the total students who can pass is about:

A. 68% B. 70% C. 75% D. 73%

Ans: B

7. Excluding stoppages, the speed of a bus is 54 km/hr and including stoppages, it is 45 km/hr. For how many minutes does the bus stop per hour ?

A. 12 B. 10 C. 9 D. 15

Ans: B

8. A boy goes to see a film and finds a man who is his relative. The man is the husband of the sister of his mother. How is the man related to the boy?

A. Uncle B. Brother C. Nephew D. None of the above

Ans: A

9. The ratio between the number of passengers travelling by I & II Class between two railway stations is 1 : 50, whereas the ratio of the I & II Class fares between the same stations is 3 : 1. If on a particular day, Rs.1325 were collected from the passengers travelling between these stations, what was the amount collected from the II Class passengers ?

A. Rs.1250 B. Rs. 1100 C. Rs. 1000 D. Rs.1150

Ans: A

10. When Rajeev was born, his father was 32 years older than his brother and his mother was 25 years older than his sister. If Rajeev's brother is 6 years older than Rajeev and his mother is 3 years younger than his father, how old was Rajeev's sister when Rajeev was born?

A. 15 Years B. 7 Years C. 17 Years D. 10 Years

Ans: D

11. If STRAY is coded as TUSBZ then how will MOURN be coded?

(A) LPVSO

(B) NPVSO

(C) NVPSO

(D) NPSVO

(E) None of these

Ans : (B)

12. If MAGIC is coded as PXJFF then how will LEASH be coded?

(A) PBDVD

(B) OBDVL

(C) OHEOK

(D) OBDPK

(E) None of these

Ans : (D)

13. If DOWN is coded as FQYP then how will WITH be coded?

(A) KYN

(B) JYK

(C) YKVJ

(D) JKVY

(E) None of these

Ans : (C)

14. If BINARY is coded as DHPZTK then how will KIDNAP be coded?

(A) MKFPCQ

(B) MHFPZQ

(C) IKFMYO

(D) MHFMCO

(E) None of these

Ans : (D)

15. If RASCAL is coded as QZRBZK then how will SOLDER be coded?

(A) RNMEDQ

(B) RPKEDS

(C) TPMEFS

(D) RNKCDQ

(E) None of these

Ans : (D)

Directions 16:20 : In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Give answer (A) if only conclusion I follows; (B) if only conclusion II follows; (C) if either I or II follows (D) if

neither I or II follows and (E) if both I and II.

16.Statements : All puppets are dolls

All dolls are toys

Conclusions : I. Some toys are puppets

II. All toys are puppets

Ans: A

17.Statements : All apples are oranges

Some oranges are papayas

Conclusions : I. Some apples are papayas

II. Some papayas are apples

Ans: D

18. Statements :Some players are singers

All singers are tall

Conclusions : I. Some players are tall

II. All players are tall

Ans: A

19.Statements : All coins are crows

Some crows are pens

Conclusions : I. No pen is coin

II. Some coins are pens

Ans: D

20.Statements : All men are married

Some men are educated

Conclusions : I. Some married are educated

II. Some educated are married

Ans: E

21. Pointing to a man Snehlata says, "He is the only son of my father's father." How is Snehlata related to the man ?

(A) Mother

(B) Grand daughter

(C) Niece

(D) Sister

(E) None of these

Ans : (E)

22. Pointing to a lady in photograph, Madhurendra said, "Her mother is the only daughter of my mother's mother." How is Madhurendra related to the lady?

(A) Nephew

(B) Uncle

(C) Maternal uncle

(D) Brother

(E) None of these

Ans : (D)

23. If P x Q means— 'P is the brother of Q', P ÷ Q means 'P is the son of Q' and 'P – Q' means 'P is the sister of Q' , then which of the following relations will show that Q is the maternal uncle of P ?

(A) Q x R ÷ P

(B) Q ÷ R – P

(C) P x R – Q

(D) P ÷ R – Q

(E) None of these

Ans : (D)

24. In the class of 40 students, if Sanju is at 30th place from one end, what is his position from the other end?

(A) 9th

(B) 12th

(C) 10th

(D) 11th

(E) None of these

Ans : (D)

25. In a row of girls, Nivedita is 15th from the left and Vimla is 23rd from the right. If they interchange their positions, then Nivedita becomes 18 th from the left. Then at what position will Vimla be from the right?

(A) 25th

(B) 24th

(C) 26th

(D) 20th

(E) None of these

Ans : (C)

26. As 'Hindu worshiper' is related to 'Temple' in the same way 'Maulvi' is related to what?

(A) Monastery

(B) Church

(C) Mosque

(D) Sikh temple

(E) None of these

Ans : (C)

27. As 'Hungry' is related to 'Food' in the same way 'Thirsty' is related to what?

(A) Drink

(B) Tea

(C) Coffee

(D) Juice

(E) Waler

Ans : (E)

28. As 'Fly' is related to 'Parrot' in the same way 'Creep' is related to what?

(A) Snake

(B) Rabbit

(C) Fish

(D) Crocodile

(E) Sparrow

Ans : (A)

29. If 'M' denotes '÷', 'K, denotes '−', 'T' denotes '×' and 'R' denotes '+', then; 20 K 16 T 8 M 4 R 6 = ?

(A) 18

(B) – 6

(C) – 12

(D) – 18

(E) None of these

Ans: B

30. How many such pairs of letters are there in the word TERMINATE each of which has as many letters

between them in the word as in the English alphabet ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans: B