

I] Seven friends A, B, C, D, E, F, and G have different heights.

(i) A is taller than B but shorter than C.

(ii) D is taller than E but shorter than F.

(iii) C is shorter than E. (iv) G is the tallest.

1. Who is the tallest person? a) A b) F c) C d) G e) E

2. Who is the third shortest? a) A b) F c) C d) G e) E

3. Who is the shortest person? a) A b) F c) C d) G e) B

II] Among five colleagues P, Q, R, S, and T:

(i) R is heavier than P but lighter than S.

(ii) Q is the lightest.

(iii) T is heavier than S.

4. Who is the second heaviest? a) P b) Q c) R d) S e) T

5. Who is the heaviest? a) P b) Q c) R d) S e) T

III] There are six boys: A, B, C, D, E, and F marching in a line.

They are arranged according to their height. The tallest are at the back and shortest in front.

F is between B and A.

E is shorter than D but taller than C, who is taller than A.

E and F have two boys between them.

A is not the shortest among them all.

6. E is between? a) A and B b) A and C c) D and C d) F and C e) F and B

7. Who is the tallest? a) A b) B c) C d) D e) E

IV] A blacksmith has five iron articles A, B, C, D, and E.

1) A weighs twice as much as B.

2) B weighs four-and-a-half times as much as C.

3) C weighs half as much as D.

4) D weighs half as much as E.

5) E weighs less than A but more than C.

8. Which of the following is the lightest in weight? a) A b) B

c) C d) D e) E

9. Whose weight is exactly in the middle? a) A b) B c) C d) D e) E

V] The sum of incomes of A and B is more than that of C and D taken together. The sum of the incomes of A and C is the same as that of B and D taken together. Moreover, A earns half as much as the sum of the incomes of B and D.

10. Whose income is highest? a) A b) B c) C d) D e) A or C

11. Which of the statement is not correct? a) A earns more than B. b) B earns more than D. c) C earns more than D. d) B earns more than C. e) B earns highest income.

12. If A's income be Rs 80,000 per annum and the difference between the incomes of B and D be the same as A's income then B's income is? A) 40,000 B) 60,000 C) 80,000 D) 1,20,000 E) 20,000

VI] Five friends P, Q, R, S, and T earn different annual incomes. The sum of the incomes of P and Q is more than that of R and S taken together. The sum of the incomes of P and R is the same as that of Q and S taken together.

Moreover, P earns half as much as the sum of the incomes of Q and S. P's income is Rs 60,000 per annum and is same as the difference between the incomes of Q and S.

13. Q's income is? A) 30,000 B) 60,000 C) 90,000 D) 1,20,000 E) 1,50,000

14. S's income is? A) 30,000 B) 60,000 C) 90,000 D) 1,20,000 E) 1,50,000

VII] A, B, C, E, F, G, and H are seven employees in an organization. Each of the seven employees earns a different amount. F works in Administration and his only other colleague, G, earns the maximum. C, the least earner, works in Accounts. A, husband of H, earns more than each of F, B, and E. The wife in the couple (H) earns more than the husband (A).

15. What will be the position of A from the top when they are arranged in descending order of income? A) First B) Second C) Third D) Fourth E) Fifth

VIII] Three cars cover the same distance at speeds that are in the ratio 5 : 4 : 6.

16. Determine the ratio of the time taken by them to cover the same distance? A) 5:4:6 B) 6:4:5 C) 10:15:12 D) 15:12:10 E) 12:15:10

17. Determine the ratio of the distance travelled by them in same time? A) 5:4:6 B) 6:4:5 C) 10:15:12 D) 15:12:10 E) 12:15:10

IX] Rajesh is two years older than Riyansh, who is twice as old as Kailash.

18. If the total of ages of Rajesh, Riyansh, and Kailash are 37, then how old is Riyansh? a) 12 b) 11 c) 14 d) 20 e) 16

X] Sushil is taller than Aniket and Rahil is taller than Chaitanya but shorter than Vishal. Sushil is shorter than Chaitanya.

19. Who is the tallest among them?
a) Chaitanya b) Sushil c) Vishal d) Aniket e) Rahil

XI] Six friends—Amir, Bhanu, Chirag, Divya, Esha, and Farhan—are standing in a row for a group picture, ranked from left (Most Senior) to right (Most Junior).

- Chirag is more senior than Bhanu but junior to Divya.
- Farhan is positioned exactly between Amir and Bhanu.
- Divya is junior to Esha.
- Esha and Farhan have exactly three people standing between them.
- Amir is the most junior person in the group.

20. Who is the most senior person in the group?
a) Divya b) Esha c) Amir d) Farhan e) Chirag

21. How many people stand between Divya and Bhanu?
a) None b) One c) Two d) Three e) Four

XII] Six students—K, L, M, N, O, and P—are compared by height. M is taller than L but shorter than O. N is

shorter than P but taller than O. Exactly two people are taller than O. K is not the shortest, but he is shorter than M. P is not the tallest student.

22. Who is the tallest? a) P b) N c) O d) M e) K

23. What is the correct position of K from the top? A) First B) Second C) Third D) Fourth E) Fifth

XIII] Six cars—P, Q, R, S, T, and U—participated in a race. Their speeds were compared based on their finishing times.

i) Car S was faster than Car Q but slower than Car P.

ii) Car R was faster than only one car.

iii) Car T was faster than Car S but was not the fastest.

iv) Car U was slower than Car Q.

24. Which car finished the race first? a) P b) T c) S d) U e) Q

25. Which car is the third slowest in the group? a) S b) Q c) R d) T e) U

XIV] Five boxes—V, W, X, Y, and Z—contain different weights of metal.

Box V is heavier than Box W but lighter than Box X.

Box Y is the lightest among all.

Box Z is heavier than Box X.

The weight of the second heaviest box is 50kg.

26. Which box is the heaviest? a) V b) W c) X d) Y e) Z

27. If Box W weighs 30kg, what is a possible weight for Box V? a) 25kg b) 55kg c) 40kg d) 60kg e) 20kg

XV] In a mock CET exam, six aspirants—Gaurav, Hitanshu, Ishan, Jatin, Karan, and Lokesh—scored different marks. Ishan scored more than Karan but less than Gaurav. Hitanshu scored more than Lokesh but less than Jatin. Gaurav scored less than Lokesh. Jatin is the top scorer.

28. Who scored the lowest marks? a) Karan b) Ishan c) Gaurav d) Lokesh e) Hitanshu

29. Which of the following represents the correct descending order of marks?

a) $J > H > L > G > I > K$

b) $J > L > H > G > I > K$

c) $J > H > G > L > I > K$

d) $J > G > H > L > I > K$

e) $L > J > H > G > I > K$

Answer Key & Solution

- i. Order: $G > F > D > E > C > A > B$ | d, c, e
- ii. Order: $T > S > R > P > Q$ | d, e
- iii. Order: $D > E > C > A > F > B$ | Ans: c, d
- iv. Order: $A > B > E > D > C$ | Ans: c, e
- v. Order: $B > (A = C) > D$ | Ans: b, a, c
- vi. Order: $Q = 90,000 > P = 60,000 > S = 30,000$ | c, a
- vii. Order: $G > H > A > (F/B/E) > C$ | Ans: c
- viii. Order: Speed $5 : 4 : 6$; Distance $5 : 4 : 6$; Time = $1/5$
: $1/4 : 1/6 \rightarrow$ (LCM) $12 : 15 : 10$ | Ans: e, a
- ix. Order: Rajesh(16) > Riyansh(14) > Kailash(7) | c
- x. Order: Vishal > Rahil > Chait > Sushil > Aniket | c
- xi. Order: $E > D > C > B > F > A$ | c, b
- xii. Order: $N > P > O > M > K > L$ | b, e
- xiii. Order: $P > T > S > Q > R > U$ | a, b
- xiv. Order: $Z > X > V > W > Y$ | e, c
- xv. Order: $J > H > L > G > I > K$ | a, a