## AVERAGE

- Q 1. The average age of 24 students and the Q 6. principal is 15 years. When the principal's age is excluded, the average age decreases by 1 year. What is the age of the principal?
  - *(a)* 38
  - *(b)* 40
  - *(c)* 39
  - *(d)* 37
- Q 2. Three years ago, the average age of A, B Q 7. and C was 27 years and that of B and C 5 years ago was 20 years. A's present age is
  - (*a*) 30 years
  - (b) 35 years
  - (c) 40 years
  - (*d*) 48 years
- Q 3. Ajit has a certain average for 9 innings. Q 8. In the tenth inning, he scored 100 runs thereby increasing his average by 8 runs. His new average is
  - *(a)* 20
  - *(b)* 24
  - *(c)* 28
  - (d) 32
- Q 4. The average age of 8 persons in a committee is increased by 2 years when two men aged 35 years and 45 years are substituted by two women. Find the average age of two women.
  - *(a)* 48
  - *(b)* 45
  - *(c)* 51
  - *(d)* 42
- Q 5. The average weight of the class of 29 students is 40 kg. If the weight of the teacher is included, the average rises by 500 gm. What is the weight of the teacher ?
  - (a) 40.5 kg
  - (b) 50.5 kg
  - (c) 45 kg
  - *(d)* 55 kg

- 6. If we take four numbers, the average of the first three is 16 and that of the last three is 15. If the last number is 18 then the first number is
  - *(a)* 20
  - *(b)* 21
  - *(c)* 23
  - *(d)* 25
  - The average of 5 consecutive numbers is n. If the next two numbers are also included, the average will.
    - (a) increase by 1
    - *(b)* remain the same
    - (c) increase by 1.4
    - (d) increase by 2
  - The average of 50 numbers is 38. If two numbers namely 45 and 55 are discarded, the average of the remaining number is
    - *(a)* 36.5
    - *(b)* 37
    - *(c)* 37.6
    - (d) 37.5
- Q 9. In a family of 8 males and a few ladies, the average monthly consumption of grain per head is 10.8 kg. If the average monthly consumption per head is 15 kg in the case of males and 6 kg in the case of females, find the number of females in the family.
  - *(a)* 8
  - *(b)* 7
  - (c) 9
  - *(d)* 15
- Q 10. The average of 13 papers is 40. The average of the first 7 papers is 42 and of the last 7 papers is 35. Find the marks obtained in 7th paper?
  - *(a)* 23
  - *(b)* 38
  - *(c)* 19
  - *(d)* 39

- Q 11. The average score of a class of 40 students is 52. What will be the average score for the rest of the students, if the average score of 10 of the students is 61?
  - (a) 50
  - *(b)* 47
  - *(c)* 48
  - (d) 49
- Q 12. The mean temperature from Monday to Wednesday was 37 and from Tuesday to Thursday was 34. If the temperature on Thursday was 4/5 that of Monday, the temperature on Thursday was
  - (a) 38
  - *(b)* 36
  - *(c)* 40
  - (d) 39
- The average age of a teacher and three students **Q** 13. is 20 years. If all the three students are of the same age and the difference between the age of the teacher and each student is 20 years, then what is the age of the teacher? UPSC PT 2020
  - (a) 25 years
  - (b) 30 years
  - (c) 35 years
  - (d) 45 years
- The average score of a batsman after his 50th **Q** 19. Consider the following Table: Q 14. innings was 46.4. After 60th innings, his average score increases by 2.6. What was his average score in the last ten innings? **UPSC PT 2020** 
  - *(a)* 122
  - *(b)* 91
  - *(c)* 62
  - (d) 49
- Q 15. In a class, there are three groups A, B and C. If one student from group A and two students from group B are shifted to group C, then what happens to the average weight of the students of the class? **UPSC PT 2020** 
  - (a) It increases.
  - (b) It decreases.
  - (c) It remains the same.
  - (d) No conclusion can be drawn due to insufficient data.

Q 16. There are two Classes A and B having 25 and 30 students respectively. In Class-A the highest score is 21 and lowest score is 17. In Class-B the highest score is 30 and lowest score is 22. Four students are shifted from Class-A to Class-B. **UPSC PT 2021** 

#### **Q 17.** Consider the following statements :

- The average score of Class-B will 1. definitely decrease.
- The average score of Class-A will 2. definitely increase.

#### Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

### Q 18. Consider the following addition problem:

3P + 4P + PP + PP = RQ2; where P, Q and R are different digits. What is the arithmetic mean of all such possible sums? **UPSC PT 2021** 

- (a) 102
- *(b)* 120
- (c) 202
- (d) 220

Player	Runs scored in the 1st innings	Balls faced in the 1st innings	Runs scored in the 2nd innings	Balls faced in the 2nd innings
А	61	99	14	76
В	05	12	50	85
С	15	75	20	50
D	13	55	12	50

Who is the fastest run scorer in the Test Match ? **UPSC PT 2021** 

- (a) A
- *(b)* B (c) C
- (d) D

Q 20. The average weight of A, B, C is 40 kg, the average weight of B, D, E is 42 kg and the weight of F is equal to that of B.What is the average weight of A, B, C, D, E and F?

#### **UPSC PT 2022**

- *(a)* 40.5 kg
- (b) 40.8 kg
- (c) 41 kg
- (d) Cannot be determined as data is inadequate

ed Learnin

# 🕫 KHAN SIR 🍽

