

DI MIXED – 2

DIRECTIONS FOR Questions: Professor Gupta has certain data regarding the answer choices marked by ten candidates for each of the questions which were asked in an exam that he had recently conducted.

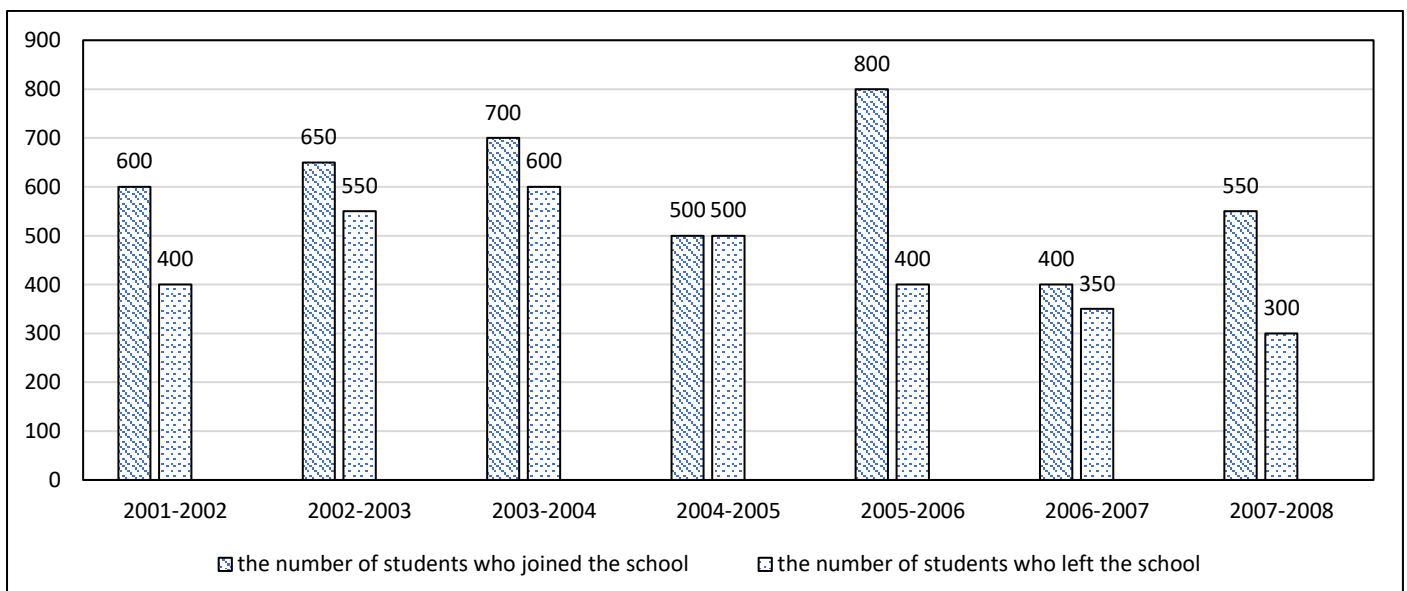
Candidates	Q-1	Q-2	Q-3	Q-4	Q-5	Q-6	Q-7	Q-8	Q-9	Q-10
ARUN	B	C	D	D	D	C	B	C	D	C
BARUN	A	B	D	B	A	B	B	C	B	B
CHARAN	C	B	D	B	A	A	B	C	B	B
DEEPAK	D	C	C	B	B	D	D	A	D	B
ELA	C	B	C	A	B	A	D	A	D	B
FAIZ	D	B	C	D	B	D	C	C	B	C
GEET	C	C	D	D	C	A	D	A	A	B
HASAN	C	B	C	C	B	A	D	A	D	B
ISHA	D	B	C	A	B	A	D	A	D	A
JEET	D	C	B	A	B	A	D	A	D	B

Professor Gupta does not remember the correct answer choices for each of the questions, but he has some additional information.

1. Each candidate marked at least one correct answer choice.
 2. No two candidates marked the same number of correct answer choices.
 3. No two questions which were consecutively numbered had the same correct answer choice.
1. How many of the ten candidates marked the correct answer for Q-10?
a) 7 b) 6 c) 5 d) 4 e) Cannot be determined
 2. How many questions are correctly answered by Ela?
a) 7 b) 8 c) 9 d) 10 e) None of these
 3. How many questions had an answer choice of either C or D?
a) 4 b) 5 c) 6 d) 7 e) None of these
 4. If one mark was awarded for every correct answer and half a mark was deducted for every wrong attempt, then how many candidates got more marks than Barun but less than Geet?
a) 0 b) 1 c) 2 d) 4 e) 3

DIRECTIONS for Questions 1 to 3: Answer the questions on the basis of the information given below.

A school was started in the academic year 2001-2002. The following bar graph gives the number of students who joined in the beginning of each academic year, from 2001-2002 to 2007-08, and also the number of students who left the school at end of each academic year, from 2001-2002 to 2007-2008.



Any student can join the school only at the beginning of an academic year and can leave the school only at the end of an academic year.

In any academic year, the annual fee for all students, irrespective of the class in which they study, is the same. The following table gives the annual fee per student in each academic year, from 2001-2002 to 2007-2008.

Academic year	2001-02	2002-03	03-04	04-05	05-06	06-07	07-08
Annual fee (Rs)	18000	19500	21000	20600	19900	18400	21300

5. What is the maximum possible number of students who have left the school after studying for exactly three consecutive academic years, during the period 2001-02 to 2007-08
a) 700 b) 900 c) 1400 d) 1500 e) None of these
6. What is the minimum of students each of whom would have paid a total fee of at least Rs. 40000, during the period 2001-2002 to 2007-08?
a) 600 b) 800 c) 850 d) 450 e) none of these
7. What is the minimum possible number of student who studied for not more than one academic year, during the period 2001-02 to 2007-08?
a) 800 b) 1150 c) 750 d) 1050 e) none of these

DIRECTIONS FOR Questions: Six students (A, B, C, D, E, and F) of a class get different scores in an aptitude examination based on the CAT. It is known that the scores were in the order **A > B > C > D > E > F**.

It is also known that when seven teachers of their school were quizzed about the totals, they had this to say.

- The **English** Teacher said: "Exactly five of them scored a total of 232."
- The **Maths** Teacher said: "Exactly five of them scored a total of 238."
- The **Biology** Teacher said: "Exactly five of them scored a total of **244**."
- The **Geography** Teacher said: "Exactly five of them scored a total of **245**."
- The **Marathi** Teacher said: "Exactly five of them scored a total of **250**."
- The **Hindi** Teacher said: "Exactly five of them scored a total of 256."
- The **History** Teacher said: "Exactly five of them scored a total of 235."

It is known that exactly one of the seven teachers is lying about the total of 5 of the six students. Based on this information, try to answer the question that follow:

8. The difference between the highest and the lowest score is:
a) 21 b) 24 c) 18 d) Cannot be determined
9. The second highest score is:
a) 55 b) 56 c) 55 or 56 d) Cannot be determined
10. Which of the following is the least possible score?
a) 34 b) 35 c) 37 d) Cannot be determined
11. If it is known that the sum of the two lowest scores is 80, then which of these could be the sum of two of the scores?
a) 93 b) 104 c) 111 d) 102

Direction: The rock band, aero smith, during one of its itineraries of India, staged exactly 5 concerts, one in each of the 5 major cities – Delhi, Mumbai, Calcutta, Hyderabad and Chennai. In each of the concerts, they performed all their biggest hits no. – livin on the edge, falling in love, walk this way, taste of India and love in elevator. Though they perform the same 5 nos. in each of the 5 concerts, no number was performed in the same position (i.e. first, second, third, fourth and fifth) at any two concerts. The following information is also known about the concerts.

- 1- Taste of India was performed as the third no. in the Hyderabad and as the fourth no. in Delhi.
- 2- In all the cities, except Chennai, falling in love was performed before love in elevator.
- 3- In Calcutta, livin on the edge was performed as the third no. where as Taste of India was performed before livin on the edge.
12. Which of following was performed as the 1st no. in Mumbai?
a) falling in love b) walk this way c) love in an elevator d) CBD
13. In how many of the concerts were walking this way performed before fall in love?
a) 1 b) 2 c) 3 d) CBD

14. In which city was livin on the edge performed as the 5th no.
a) Delhi b) Mumbai c) Hyderabad d) CBD
15. In how many of the concerts was love in an elevator performed immediately after taste of India?
a) 0 b) 1 c) 2 d) CBD
16. In which city was walk this way performed as the 2nd no.?
a) Calcutta b) Mumbai c) Delhi d) CBD