



Altitude Classes

... reach the heights

IIT Foundation Work Sheet

Topic: Sets

Instructions:

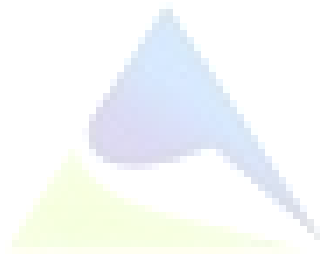
1. Immediately fill your particulars by using a Blue/Black Pen Only.
2. There is only one correct answer for each question. Fill the bubble on the OMR to mark your answer.
3. Working should be done only in the space provided.
4. Don't fold or make any stray marks on the Answer Sheet.

Name: _____ **Section:** _____ **Roll No:** _____ **School Id** _____

1. In a survey of 600 students in a school, 150 students were found to be drinking Tea and 225 drinking Coffee, 100 were drinking both Tea and Coffee. Find how many students were drinking neither Tea nor Coffee.
(1) 125 (2) 225 (3) 325 (4) 425
2. A market research group conducted a survey of 1000 consumers and reported that 720 consumers liked product A and 450 consumers liked product B. What is the least number of consumers that must have liked both products?
(1) 170 (2) 180 (3) 190 (4) 200
3. There are 200 individuals with a skin disorder, 120 has been exposed to chemical C1, 50 to chemical C2 and 30 to both chemical C1 and C2. Find the number of individuals exposed to chemical C1 but not chemical C2.
(1) 90 (2) 20 (3) 70 (4) 30
4. There are 200 individuals with a skin disorder, 120 has been exposed to chemical C1, 50 to chemical C2 and 30 to both chemical C1 and C2. Find the number of individuals exposed to chemical C2 but not chemical C1.
(1) 90 (2) 20 (3) 70 (4) 30
5. There are 20 students in a Chemistry class and 30 students in a Physics class. Find the number of students studying either Chemistry or Physics if the two classes meet at the same hour.
(1) 20 (2) 30 (3) 40 (4) 50
6. There are 20 students in a Chemistry class and 30 students in a Physics class. Find the number of students studying either Chemistry or Physics if the two classes meet at different hours and ten students are enrolled in both the courses.
(1) 20 (2) 30 (3) 40 (4) 50
7. A town has population 25,000 out of which 13,000 read "The Hindustan Times" and 10,500 read "The Indian Express" and 2,500 read both papers. Find the percentage who read neither of these newspapers.
(1) 15% (2) 16% (3) 17% (4) 18%
8. In a class of 60 boys, each playing at least one game, there are 45 boys who play cards and 30 boys play carom. Find how many boys play both games?
(1) 15 (2) 30 (3) 45 (4) 60
9. In a class of 60 boys, each playing at least one game, there are 45 boys who play cards and 30 boys play carom. Find how many boys play cards only?
(1) 15 (2) 30 (3) 45 (4) 60
10. In a class of 60 boys, each playing at least one game, there are 45 boys who play cards and 30 boys play carom. Find how many boys play caroms only?
(1) 15 (2) 30 (3) 45 (4) 60

OMR (Use HB Pencil Only)

1	① ② ③ ④	2	① ② ③ ④	3	① ② ③ ④	4	① ② ③ ④	5	① ② ③ ④
6	① ② ③ ④	7	① ② ③ ④	8	① ② ③ ④	9	① ② ③ ④	10	① ② ③ ④



ALTITUDE
CLASSES

for
Delhi Public School