

CLASS TEST
MATHEMATICS

X

Time : 1 hr 30 mints

Max.Marks :25

- 1) Which term of the AP: 3, 8, 13, 18,is 78? (2)
- 2) An AP consists of 50 terms of which 3rd term is 12 and the last term is 106.
Find the 29th term. (2)
- 3) For what values of n , are the n^{th} terms of two APs :63, 65, 67,..... and
3, 10, 17,.....equal? (3)
- 4) How many terms of the AP : 9, 17, 25,..... must be taken to give a
sum of 636? (3)
- 5) If the 3rd and the 9th terms of an AP are 4 and -8 respectively, which term of
this AP is zero? (3)
- 6) If the sum of the first n terms of an AP is $4n - n^2$, what is the first term?
What is the sum of first two terms? What is the second term? Similarly ,
find the 3rd, the 10th and the n^{th} terms. (4)
- 7) A sum of 700 Rs is to be used to be give seven cash prizes to students of a
school for their overall academic performance. If each prize is 20 Rs less
than its preceding prize , find the value of each of the prizes. (4)
- 8) Two APs have the same common differences. The difference between their
100th terms is 100, what is the difference between their 1000th terms? (4)