ASSIGNMENT CLASS: X

SUBJECT: MATHEMATICS CHAPTERS - QUADRATIC EQUATIONS, ARITHMETIC PROGRESSION

1.	If nth term of an A.P i a) 12	s 7n+2 then common b) 5	difference is c) 7	d) 19			
2.	The 7th term from the a) 79	e end of the A.P:7,11,1 b) 83	5,,107 is c) 81	d) 87			
3.	If one root of the equa	ation x²+ax+3=0 is 1 tl b) -3	nen other root is c) 2	d) -2			
4.	If the equation 2kx ² -4 a)5/4	0x+25=0 has equal ro b) 4/5	ots then the value of c) 3/4	k is d) 4/3			
5.	Find two consecutive odd positive integers whose sum of whose squares is 290.						
6.	In an A.P if $S_n = n(4n+1)$ then find A.P. and common difference.						
7.	Find the number of integers between 50 and 500 which are divisible by 7?						
8.	If the sum of 3rd and 8th terms of an A.P is 7 and the sum of 7th and 14th terms is -3 Find 10th term.						
9.	Find the nature of roots. If real roots exist then find them $9x^2+7x-2=0$						

10. Find the sum of first 20 terms of an A.P. in which 3rd term is 7 and the 7th term is two

12. The diagonal of a rectangular field is 60 metres more than the shorter side. If the longest

13. The first and last terms of an A.P are 7 and 49 respectively and the sum of all its terms is

11. If $a_n = 3$ -4n then show that $a_1, a_2, a_3,...$ form an A.P and find S_{20} also.

side is 30 metres more than the shorter side, find the sides of the field.

more than thrice of 3rd term.

420. Find the common difference.