TS SSC Mathematics 2025 Most Repeated Questions

Section I: 1 Mark Questions

Ques. Find the HCF of 24 and 33 by using the division algorithm.

Ques. If $P(x)=x^4+1$, then find P(2)-P(-2).

Ques. Express 360 as a product of prime factors.

Ques. If A={x:x is a factor of 24}, then find n(A).

Ques. Find the roots of the Quadratic equation $x^2+2x-3=0$

Ques. For what value of 't' the following pair of linear equations has no solution? 2x-ty=5 and 3x+2y=11.

Section II: 2 Marks Questions

Ques. Write the formula for Mode of a grouped data and explain each term.

Ques. In an arithmetic progression, if 4 times of fourth term is equal to 8 times of the eight term, then prove that the twelfth term of the progression is zero.

Ques. In a bag, there are 5 red balls, 2 black balls and 3 white balls. If one ball is selected randomly from the bag, the find the probability of:

- Getting a Red ball
- Getting not a Red ball

Ques. Akhila says, "points A(1,3), B(2,2), C(5,1) are collinear". Do you agree with Akhila? Why?

Ques. Write the formula of the nth term of GP and explain the terms in it.

Ques. Solve the pair of Linear equations 2x+3y=8 and x+2y=5 by Elimination method.

Section III: 4 Marks Questions

Ques. Draw the graph of the polynomial p(x)=x^2-7x+12, then find its zeros from the graph.

Ques. Find the sum of all two digit odd multiples of 3.

Ques. Find the Arithmetic Mean of the following data.

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	11	14	15	20	15	13	12

Ques. Sum of the present ages of two friends are 23 years, five years ago the product of their ages was 42m. Find their ages 5 years hence.

Ques. Find the sum of all two digit odd multiples of 3.