Tata Motors Technical Interview Questions

Q1. If the roots are real then which type of vibrations will occur in damped systems?

Q2. When the disc is rotating, on which a man is standing at the edge then what is the possibility of increase in speed of the disc?

Q3. What is the principle behind the collisions of ball?

Q4. What is the coefficient of friction for the greased ball bearing?

Q5. If the phi is friction angle then which of the following cannot be the value of the tan(phi)

   a) 0
   b) 1.5 mu

Q6. Find the width of the strongest beam that can be cut of cylindrical log of wood whose diameter is the.

Q7. What is the formula for Efficiency of screw jack?

Q8. Write the formula to find Maximum Efficiency of screw jack?

Q9. Max principle stress theory is valid for which material?

Q10. What is the ratio of natural frequency on earth to moon?

Q11. Explain max and normal efficiency of the power skew.

Q12. For which material max normal stress theory is used?

Q13. What is the efficiency of the riveted joints?

Q14. Explain cantilever deflection.

Q15. Find the elongation of the bar due to self weight.