



# SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

**AN AUTONOMOUS INSTITUTION**



Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

1. Sketch and define Transmission angle of a four-bar mechanism. What are the worst values of transmission angle?
2. What is the condition for correct steering of an automobile?
3. Write Grashoff's law for 4-bar mechanism.
4. What is meant by indexing mechanism? Where do we use it?
5. What is Kutzbach criterion for planar mechanism?
6. Sketch an exact straight line mechanism, with link proportions.
7. Give any two inversions of a single slider chain.
8. What is meant by Kinematic Pair?
9. State the difference between mechanism and structure.
10. Differentiate the machine and structure.
11. Classify the constrained motion.
12. Define sliding connectors.
13. Differentiate rotation and translation.
14. What is meant by Ackermann
15. Write down the Grashof's Law for a four bar mechanism?
16. Explain the working principle of bicycle bells.
17. What is meant by motion adjustment mechanism?
18. Whether a cycle chain is kinematic chain or not?
19. Define instantaneous centre.
20. What is instantaneous axis?
21. What is resistant body?
22. What is link?