

Semester- III

Branch:ME

QUESTION BANK

Subject with Code: ADVANCED KINEMATICS & DYNAMICS OF MACHINES, ME-601

Q1. Explain Kinematics of plan and complex mechanism.

Q2. Explain Path & Function generation.

Q3. Explain Synthesis of multi loop linkage in brief.

Q4. What are the effect of moment balance on input torque computer programme for force and moment balancing.

Q5. Explain Modification of time response of mechanism.

Q6. Explain Single and multiple degree of freedom systems.

Q7. Explain Point kinematics in three dimensional space.

Q8. Explain Synthesis of general linkage and cam mechanism multiple rearted position synthesis.

Q9. Explain Luler-savary equation.

Q10. Explain Polode curvature.

Q 11. Explain Cubic of stationary curvature.

Q 12. Explain Number synthesis.

Q 13. Explain Path generation.

Q 14. Explain Burmester theory.

Q 15. Explain Time response.

Q 16. Explain Shaking moment balancing.

Q 17. Explain Balancing of flexible rotors.

Q 18. Explain Field balancing.

Q 19. Explain Spatial transformation.

Q 20. Explain Position analysis.