



### SESSION 1-3

1. UAM: Horizontal UAM & Vertical UAM
2. UAM: Successive times/distances , Catch-up problems & Collisions
3. UAM - Velocity-time Graphs 1, Velocity-time Graphs 2 & Unusual LC Questions

### SESSION 29

Final Overview of Paper

### SESSION 24-28

24. Moments of Inertia (1)
25. Moments of Inertia (1)
26. Moments of Inertia (2)
27. Moments of Inertia (3)
28. Moments of Inertia (LC Questions)



## APPLIED MATHS 6TH YEAR

### SESSION 4-7

4. Newton's Laws: The Four Forces
5. Newton's Laws: Connected Particles
6. Newton's Laws: Pulleys
7. Newton's Laws: Wedges

### SESSION 8-11

8. Projectiles: Horizontal Planes: Section 1 [A] & [B]
9. Projectiles: Horizontal Planes: Section 1 [C] & [D]
10. Projectiles: Inclined Planes: Section 2 [A], [B] & [C]
11. Projectiles: Inclined Planes: Section 2 [D] + Projectiles and Elasticity: Section 3

### SESSION 19-23

19. Circular & Simple Harmonic Motion (1)
20. Circular & Simple Harmonic Motion (2)
21. Circular & Simple Harmonic Motion (3)
22. Circular & Simple Harmonic Motion (4)
23. Circular & Simple Harmonic Motion (5)

### SESSION 15-18

15. Differential Equations: Calculus Revision (Section 1)
16. Differential Equations: 1st Order equations (Section 2) and Variable acceleration (Section 3)
17. Differential Equations: Variable force (Section 4) and Power (Section 5)
18. Differential Equations: Problems of a general nature (Section 6)

### SESSION 12-14

12. Collisions: Direct Collisions (Section 1)
13. Collisions: Direct Collisions (Sections 2 & 3)
14. Collisions: Oblique Collisions (Section 4)