



## PHYSICS C-MECHANICS COURSE- SESSION PLAN

LESSON NO	TOPICS
LESSON 1	Discussion of the structure of the test and test taking strategies. Discussion of Diagnostic test and scopes of improvement. Session 1: Vectors
LESSON 2	UNIT 1: Kinematics-Part 1 +Discussion of Homeworks
LESSON 3	UNIT 1: Kinematics-Part 2 +Discussion of Homeworks
LESSON 4	UNIT 2: Dynamics-Part 1 -Newton's laws and pulleys+Discussion of Homeworks
LESSON 5	UNIT 2: Dynamics-Part 1 -Inclined planes and FRQs writing style+Discussion of Homeworks
LESSON 6	UNIT 3: Work Energy and Power-Part 1 -Discussion of Homeworks
LESSON 7	UNIT 3: Work Energy and Power-Part 2 -Discussion of Homeworks.
LESSON 8	UNIT 3: Work Energy and Power-Part 1 -Discussion of Homeworks.
LESSON 9	UNIT 4:Linear Momentum-Discussion of Homeworks.
LESSON 10	UNIT 5: Uniform Circular motion, Newton's Laws of Gravitation, Rotational Motion-Discussion of Homeworks.
LESSON 11	Discussion+ Revision +Questions on Unit 5
LESSON 12	UNIT 6:Oscillations: Spring and Pendulums+Discussion of Homeworks.
LESSON 13	UNIT 7: Gravitation and orbits of planets and Satellites+ Discussion of Homeworks
LESSON 14	MOCK TEST 1
LESSON 15	MOCK TEST 1-REVIEW
LESSON 16	MOCK TEST 2
LESSON 17	MOCK TEST 2-REVIEW
LESSON 18	MOCK TEST 3
LESSON 19	MOCK TEST 3-REVIEW
LESSON 20	MOCK TEST 4
LESSON 21	MOCK TEST 4-REVIEW
PRACTICE SESSIONS	PRACTICE TESTS (10 MOCK TESTS EXTRA) 100 HOURS OF PRACTICE AFTER THE PREPARATION