

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
1	1	BASIC CONCEPTS - static,dynamic,kinetic,kinemematic, space,mass etc.	.....	1	.....	.....
2	1	Scalar and Vector Properties, Fundamnetal and Derived Units	.....	2-3	.....	.....
3	1	Force, System of Forces, GRAPHICAL REPRESENTATION	.....	4-5	.....	.....
4	1	FREE BODY DIAGRAM, TRIANGLE LAW, POLYGON LAW, PARALLELOGRAM LAW	.....	6-7	.....	.....
5	1	LAMI THEOREM, MOMENT, COMPOSITION & RESOLUTION OF FORCES	.....	8-9	.....	.....
6	1	SIMPLE NUMERICAL SOLUTIONS	.....	10-12	.....	.....
7	1	SIMPLE NUMERICAL SOLUTIONS	.....	13-14	.....	.....
8	2	CENTROID,CENTRE OF GRAVITY, MOMENT OF INERTIA	.....	15-17	.....	.....
9	2	CENTROID OF PLANES - RECTANGLE,TRIANGLE,CIRCLE,SEMICIRCLE	.....	18	.....	.....
10	2	PARALLEL AXIS THEOREM, MOMENT OF INERTIA OF RECTANGULAR PLANE.	.....	19-20	.....	.....
11	2	PERPENDICULAR AXIS THEOREM, MOMENT OF INERTIA OF CIRCULAR PLANE.	.....	21-22	.....	.....
12	2	SIMPLE NUMERICAL SOLUTIONS	.....	23-24	.....	.....
13	2	SIMPLE NUMERICAL SOLUTIONS	.....	25	.....	.....
14	2	SIMPLE NUMERICAL SOLUTIONS	.....	26	.....	.....
15	2	SIMPLE NUMERICAL SOLUTIONS	.....	27	.....	.....
16	3	FRICTION CONCEPTS , ROUGH AND SMOOTH SURFACE	.....	25-26	.....	.....
17	3	TYPES OF FRICTION, COLOUMB'S LAW	.....	27-28	.....	.....
18	3	COEFFICIENT OF FRICTION, ANGLE OF FRICTION, ANGLE OF REPOSE	.....	29-30	.....	.....
19	3	FORCES ON HORIZONTAL AND INCLINED PLANE	.....	31-32	.....	.....
20	3	METHOD OF REDUCING FRICTION, SCREW NUT FRICTION	.....	33-34	.....	.....
21	3	FRICTION IN JOURNAL BEARINGS, APPLICATION OF FRICTION	.....	35-36	.....	.....
22	3	SIMPLE NUMERICAL SOLUTIONS	.....	25-36	.....	.....
23	3	SIMPLE NUMERICAL SOLUTIONS	.....	25-36	.....	.....
24	3	SIMPLE NUMERICAL SOLUTIONS	25-36
25	4	COORDINATE SYSTEM, SPEED, ACCELERATION	37-38
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27	4	TANGENTIAL AND NORMAL ACCELERATION, ANGULAR DISPLACEMENT	39-40
28	4	MOTION UNDER GRAVITY, SIMPLE NUMERICAL	41
29	4	MEWTON'S LAW OF MOTION	42
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31	4	ANGULAR VELOCITY,ANGULAR ACCELERATION	44
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						Resource
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39	5	2 & 4 STROKE PETROL ENGINE - WORKING AND CONSTRUCTION	52
40	5	2 & 4 STROKE DIESEL ENGINE - WORKING AND CONSTRUCTION	53
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Signature of Lecturer


Signature of HOD

