

SHANTILAL SHAH ENGINEERING COLLEGE, BHAVNAGAR

APPLIED MECHANICS DEPARTMENT

B.E. - Civil Engineering [ALA for Third Semester]

Name of Subject with Code: Mechanics of Solids (2130003)

#	Group No.	Roll No.	Enrollment No.	Name of Student	Topic of PPT
1	1	1001	170430106001	Aniyaliya Bhavikaben Ghanshyambhai	Principle of transmissibility, Principle of superposition, Law of gravitation, Law of parallelogram of forces.
2		1002	170430106002	Ansari Asraruddin Quamuddin	
3		1003	170430106004	Baria Jigna Karansinh	
4		1004	170430106007	Bhati Sawaisingh Govindsingh	
5		1005	170430106008	Bhatt Anuj Dharmendrabhai	
6	2	1006	170430106009	Bhatt Dhruvkumar Rajeshkumar	Coplanar Forces, Concurrent Forces, Parallel Forces, Colinear Forces, Resultant Force, Equilibrant Force
7		1007	170430106010	Bhatthivala Kishan Puranmalbhai	
8		1008	170430106011	Bhoya Yogeshwari Bhagubhai	
9		1009	170430106013	Chauhan Kaushikbhai Bhimjibhai	
10		1010	170430106015	Chavda Milan Ratilal	
11	3	1011	170430106016	Chavda Shivam Dalapatbhai	Explain Free body diagrams of System Law of triangle of forces, Law of polygon of forces
12		1012	170430106017	Chavda Vijay Mahendrbhai	
13		1013	170430106019	Dhapa Nileshbhai Vallabhabhai	
14		1014	170430106020	Dhapa Umesh Kanjibhai	
15		1015	170430106021	Dholakiya Dhaval Dhirubhai	
16	4	1016	170430106022	Dodiya Manoj Chandubhai	Equilibrium conditions for coplanar concurrent forces, Lami's theorem.
17		1017	170430106023	Doshi Krutarth Dipakbhai	
18		1018	170430106024	Doshi Priyank Gautambhai	
19		1019	170430106025	Gajera Darshan Ashokbhai	
20		1020	170430106026	Gamit Abhishekbhai Kesurbhai	
21	5	1021	170430106027	Gamit Shaileshkumar Jitendrabhai	Moments & couples, Characteristics of moment and couple, Equivalent couples, Force couple system,
22		1022	170430106028	Gamit Ujjvalkumar Ramanbhai	
23		1023	170430106029	Gauswami Divyeshgiri Dharamgiri	
24		1024	170430106030	Ghetiya Yash Amrutlal	
25		1025	170430106031	Gohel Rohit Mukeshbhai	
26	6	1026	170430106032	Gohil Chhatrapalsinh Jayrajsinh	Varignon's theorem and its Application.
27		1027	170430106034	Hadiya Paresh Rajubhai	
28		1028	170430106035	Hirapara Riyank Bharatbhai	
29		1029	170430106037	Jambucha Hardikbhai Dhirubhai	
30		1030	170430106038	Jani Bhavik Balashankarbhai	

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31	7	1031	170430106039	Jani Chhalak Marutibhai	Types of loads, Types of supports, Types of beams; Determination of support reactions,
32		1032	170430106040	Jani Krupa Pareshbhai	
33		1033	170430106041	Jivani Shreyaskumar Ghanshyambhai	
34		1034	170430106042	Joliya Shwetaben Valjibhai	
35		1035	170430106043	Kacha Gopiben Govindbhai	
36	8	1036	170430106044	Kalani Anjali Narendrabhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to concentrated loads
37		1037	170430106045	Kalsariya Pradip Nagjibhai	
38		1038	170430106046	Kanani Grohitkumar Bharatbhai	
39		1039	170430106047	Kanasagra Yash Bhupendrabhai	
40		1040	170430106048	Kanzariya Kripal Pravinbhai	
41	9	1041	170430106049	Katta Azad Hitendrabhai Soni	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to uniformly distributed loads
42		1042	170430106050	Kurundale Shubham Kiranbhai	
43		1043	170430106052	Lakhani Sumitkumar Kishorbhai	
44		1044	170430106053	Lakhmani Vivek Dilipbhai	
45		1045	170430106054	Langhanoja Parth Nitinbhai	
46	10	1046	170430106055	Lathiya Vikas Dineshbhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to couples and their combinations
47		1047	170430106056	Limbad Dharnjit Gambhirsinh	
48		1048	170430106059	Makwana Parth Bharatbhai	
49		1049	170430106060	Makwana Yatinkumar Dilipbhai	
50		1050	170430106061	Malaviya Dhruvin Harsukhbhai	
	11	1051	170430106062	Mayani Dhruvkumar Vipulbhai	Definition of friction, Types of Friction --> Static and Kinetic Friction, Cone of Friction, Angle of Repose,
52		1052	170430106063	Mer Alpeshbhai Bhupatbhai	
53		1053	170430106064	Mer Ketanbhai Vallabbhai	
54		1054	170430106065	Metaliya Hareshbhai Arjanbhai	
55		1055	170430106066	Mevada Dhaval Himmatbhai	
56	12	1056	170430106067	Mori Milind Jigneshbhai	Coefficient of Friction, Laws of Static Friction, Law of Kinetic Friction
57		1057	170430106068	Mundhava Ravibhai Ramjibhai	
58		1058	170430106069	Mungalpara Digjay Bhagvanbhai	
59		1059	170430106070	Nandariya Dhaval Virambhai	
60		1060	170430106071	Pandya Akshar Hiteshkumar	

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61	13	1061	170430106072	Pandya Arjun Manojkumar	Difference between Centroid and Center of Gravity, Pappus – Guldinus first and second theorems.
62		1062	170430106073	Pandya Shyam Rajeshkumar	
63		1063	170430106074	Parekh Abhishek Ghanshyambhai	
64		1064	170430106075	Parmar Mohitkumar Maheshbhai	
65		1065	170430106076	Parmar Uttankumar Raysingbhai	
66	14	1066	170430106078	Parmar Vivek Hiteshbhai	Prepare the table for Centroid and center of Gravity value regular shape with its area and its voulmn equation.
67		1067	170430106079	Patel Milankumar Jitendrabhai	
68		1068	170430106080	Patel Nikita Chetanbhai	
69		1069	170430106081	Patel Pratikkumar Himmatlal	
70		1070	170430106082	Patel Sohagbhai Rajeshbhai	
71	15	1071	170430106083	Patelia Hardik Laxmanbhai	Derivation of equation of moment of inertia of standard lamina using first principle,
72		1072	170430106084	Pokiya Hardik Anilbhai	
73		1073	170430106085	Purohit Rahul Laljibhai	
74		1074	170430106086	Rakholiya Himanshukumar Bharatbhai	
75		1075	170430106087	Ramani Raj Dineshbhai	
76	16	1076	170430106088	Rathod Ashutosh Jitendrabhai	Parallel & perpendicular axes theorems, Radius of Gyration of areas, Sectional Modulus.
77		1077	170430106090	Rathod Rinkalben Rajubhai	
78		1078	170430106091	Raut Nayankumar Gulabbhai	
79		1079	170430106092	Raval Vishalbhai Rameshbhai	
80		1080	170430106093	Sadadia Kashish Bhadresh	
81	17	1081	170430106094	Sapara Navneet Bharatbhai	Solve any TWO Examples related to moment of inertia of Lamina.
82		1082	170430106095	Sapra Urvish Bharatkumar	
83		1083	170430106096	Sardhara Navdip Rameshbhai	
84		1084	170430106097	Sardhara Uchit Shaileshbhai	
85		1085	170430106098	Sarvaiya Rahul Ashokbhai	
86	18	1086	170430106099	Shah Jaynam Sharadbhai	Explain Different types of Forces like Tensile Force, Compressive Force, Shear Force and Stresses : Like Tensile & compressive Stresses, Shear and complementary shear
87		1087	170430106100	Shah Soham Hemantbhai	
88		1088	170430106101	Shingala Parth Mansukhbhai	
89		1089	170430106102	Sidapara Nidhdhi Dineshbhai	
90		1090	170430106103	Solanki Piyush Mukeshbhai	

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91	19	1091	170430106104	T Anup Augustin	Stress, Strain, Hook's Law, Elastic Limit, Modulus of elasticity, Poisson's Ratio, Modulus of rigidity and bulk modulus
92		1092	170430106105	Thummar Nikunj Dhanjibhai	
93		1093	170430106106	Timbadiya Khanjan Rasikbhai	
94		1094	170430106107	Vadher Ashish Rajeshbhai	
96	20	1095	170430106108	Vaghamshi Vijaybhai Rajabhai	Theory of simple bending, Assumptions, derivation of equation of bending
97		1096	170430106109	Vaghela Prashant Dineshbhai	
98		1097	170430106110	Vaja Jay Mukeshbhai	
99		1098	170430106111	Vala Mihirbhai Dineshbhai	
100	21	1099	170430106112	Vasava Chiragbhai Ishvarbhai	Assumptions, application of theory of torsion equation to solid & hollow circular shaft, torsional rigidity.
101		1100	170430106114	Vyas Priya Kamleshbhai	
102		1101	170430106115	Yadav Ankur Hirdayanand	
103		1102	170430106116	Zala Radhika Rajeshbhai	
104	22	1103	170430106117	Zaveri Rushabh Harshadray	Elastic, homogeneous, isotropic materials; Stress -Strain relationships for ductile and brittle materials, limits of elasticity and proportionality.
105		1104	170430106118	Noksengat N Sangma	
106		1105	170430106119	Thaidonia F Pala	

IMPORTANT INSTRUCTION:

* Students Group will have to submit Power Point Presentation (PPT) of their GROUP on/before 19/09/2018 to Prof. P. S. Parekh.

* All Student will have to Prepare the power - point presentation/slides, which is include animations, pictures, graphics of concern topic.

* All Students should mentioned all details like Name of College with LOGO, Name of Students along with Enrollment Number, Roll Number, Group Number and Department in very Frist Slide of PPT.

Prof. P. S. Parekh
(Ass. Prof., App. Mech. Deptt.)

Head of Department
(Applied Mechanics Department)