

SHANTILAL SHAH ENGINEERING COLLEGE, BHAVNAGAR**APPLIED MECHANICS DEPARTMENT****B.E. - Mechanical 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	2001	170430119001	Akbari Akshay Sureshbhai	Principle of transmissibility, Principle of superposition, Law of gravitation, Law of parallelogram of forces.
2		2002	170430119002	Baldaniya Shailesh Manubhai	
3		2003	170430119003	Baldha Yash Hareshbhai	
4		2004	170430119007	Baraiya Hardik Sharadbhai	
5		2005	170430119008	Baraiya Nirav Pravinbhai	
6	2	2006	170430119009	Baraiya Rahulbhai Rukhadbhai	Coplanar Forces, Concurrent Forces, Parallel Forces, Colinear Forces, Resultant Force, Equilibrant Force
7		2007	170430119010	Baral Kalpesh Jagubhai	
8		2008	170430119012	Bavaliya Sunil Kalubhai	
9		2009	170430119013	Bhadani Tarang Pravinbhai	
10		2010	170430119014	Bhagat Yash Bipinbhai	
11	3	2011	170430119015	Bhalani Jay Nileshbhai	Explain Free body diagrams of System Law of triangle of forces, Law of polygon of forces
12		2012	170430119016	Bhambhi Diksheet Narendrabhai	
13		2013	170430119017	Bhanderi Pradipkumar Jamanbhai	
14		2014	170430119018	Bhanderi Ronik Rameshbhai	
15		2015	170430119019	Bharti Dipeshkumar Sanjeevkumar	
16	4	2016	170430119020	Bhatt Vaibhav Pareshkumar	Equilibrium conditions for coplanar concurrent forces, Lami's theorem.
17		2017	170430119021	Bhatu Babu Pithabhai	
18		2018	170430119022	Bhil Pareshbhai Vasharambhai	
19		2019	170430119023	Biswas Anirban Prabir	
20		2020	170430119024	Borisagar Jatin Atulbhai	
21	5	2021	170430119025	Borisagar Kishan Kanubhai	Moments & couples, Characteristics of moment and couple, Equivalent couples, Force couple system,
22		2022	170430119026	Chandra Jaydip Subhashbhai	
23		2023	170430119027	Chauhan Kahansinh Raghuvversinh	
24		2024	170430119028	Chauhan Kishan Hiteshbhai	
25		2025	170430119031	Chavda Rutvik Abhesinhbhai	
26	6	2026	170430119033	Chopada Pravin Dilipbhai	Varignon's theorem and its Application.
27		2027	170430119034	Chudasama Suryadeepsinh Harishchand	
28		2028	170430119035	Dabhi Rahulbhai Hasmukhbhai	
29		2029	170430119036	Dabhi Ronak Ranchhodbhai	
30		2030	170430119037	Dafda Bhargavkumar Rameshbhai	

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#	Group No.	Roll No.	Enrollment No.	Name of Student	Topic of PPT
31	7	2031	170430119038	Davda Sumit Jayeshbhai	Types of loads, Types of supports, Types of beams; Determination of support reactions,
32		2032	170430119039	Dave Manthankumar Yogeshbhai	
33		2033	170430119040	Desai Jemish Vijaybhai	
34		2034	170430119041	Dewaane Aakash Dakubhai	
35		2035	170430119042	Dhaval Anjaliben Dineshbhai	
36	8	2036	170430119043	Divan Ashish Rajeshbhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to concentrated loads
37		2037	170430119044	Dodiya Ravikumar Jayendrabhai	
38		2038	170430119045	Dodiya Yash Hiteshbhai	
39		2039	170430119046	Gadhe Piyush Lakhmanabhai	
40		2040	170430119047	Gamadha Nikunj Jamanbhai	
41	9	2041	170430119048	Gohel Yashvant Nareshbhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to uniformly distributed loads
42		2042	170430119049	Gohil Bhagirathsinh Pratapsinh	
43		2043	170430119050	Gohil Mahipalsinh Jagatsinh	
44		2044	170430119051	Gohil Vishvipsinh Pravinsinh	
45		2045	170430119052	Goyani Falgunbhai Pravinbhai	
46	10	2046	170430119053	Hadiya Gaurav Naranbhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to couples and their combinations
47		2047	170430119054	Hirvaniya Pritesh Rajeshbhai	
48		2048	170430119055	Jadav Kaushik Hashmukhbhai	
49		2049	170430119057	Jadav Paresh Kalubhai	
50		2050	170430119058	Jadav Pranay Ishvarbhai	
	11	2051	170430119059	Jajal Deep Pramodbhai	Definition of friction, Types of Friction --> Static and Kinetic Friction, Cone of Friction, Angle of Repose,
52		2052	170430119060	Jamod Bharat Jayantibhai	
53		2053	170430119061	Jha Suman Sanjeeb	
54		2054	170430119062	Joshi Hardik Mansukhbhai	
55		2055	170430119063	Kachhadiya Divyesh Nileshbhai	
56	12	2056	170430119064	Kaklotar Dhruv Shaileshbhai	Coefficient of Friction, Laws of Static Friction, Law of Kinetic Friction
57		2057	170430119065	Kankotiya Manan Rameshbhai	
58		2058	170430119066	Kanzariya Vaibhav Rameshbhai	
59		2059	170430119069	Kathiriya Hardik Kalubhai	
60		2060	170430119070	Kidiya Arvindbhai Babubhai	

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#	Group No.	Roll No.	Enrollment No.	Name of Student	Topic of PPT
61	13	2061	170430119072	Kushwaha Himanshu Ramadhar	Difference between Centroid and Center of Gravity, Pappus - Guldinus first and second theorems.
62		2062	170430119073	Lakhnotra Ghanshyam Bhanabhai	
63		2063	170430119074	Lakum Jaydev Kalubhai	
64		2064	170430119075	Langadia Pujan Jayesh	
65		2065	170430119077	Makawana Pradip Babubhai	
66	14	2066	170430119078	Makhyavya Abhishek Prakashkumar	Prepare the table for Centroid and center of Gravity value regular shape with its area and its volume equation.
67		2067	170430119080	Meniya Anilbhai Dheerubhai	
68		2068	170430119081	Meniya Gautam Kalyanbhai	
69		2069	170430119082	Mishra Adarsh Vedprakash	
70		2070	170430119084	Nagotha Hareshbhai Anandbhai	
71	15	2071	170430119086	Parmar Ajay Dhirubhai	Derivation of equation of moment of inertia of standard lamina using first principle,
72		2072	170430119087	Parmar Anirudhdhsinh Kanabhai	
73		2073	170430119088	Parmar Gayatri Maheshbhai	
74		2074	170430119089	Parmar Hardik Jagjivanbhai	
75		2075	170430119090	Parmar Jaykishankumar Dhirubhai	
76	16	2076	170430119092	Patel Krushil Bhikhabhai	Parallel & perpendicular axes theorems, Radius of Gyration of areas, Sectional Modulus.
77		2077	170430119093	Patel Nainesh Bharatbhai	
78		2078	170430119094	Pindariya Hitesh Samat	
79		2079	170430119095	Pipalava Sagar Rameshbhai	
80		2080	170430119096	Pithiya Hemalkumar Vejanandbhai	
81	17	2081	170430119098	Rabari Amaratbhai Thakarshibhai	Solve any TWO Examples related to moment of inertia of Lamina.
82		2082	170430119099	Rai Somnath Shreeram	
83		2083	170430119100	Rathod Jeel Narendrakumar	
84		2084	170430119101	Rathod Vivek Sureshbhai	
85		2085	170430119103	Rathva Ishwarbhai Kanubhai	
86	18	2086	170430119104	Rathwa Anantkumar Manchhabhai	Explain Different types of Forces like Tensile Force, Compressive Force, Shear Force and Stresses : Like Tensile & compressive Stresses, Shear and complementary shear
87		2087	170430119105	Sankhat Nandankumar Vinodbhai	
88		2088	170430119106	Sankhat Rahul Kalubhai	
89		2089	170430119108	Savalia Jigar Dinesh	
90		2090	170430119109	Savaliya Rutvikkumar Mukeshbhai	

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#	Group No.	Roll No.	Enrollment No.	Name of Student	Topic of PPT
91	19	2091	170430119112	Solanki Chetanbhai Masaribhai	Stress, Strain, Hook's Law, Elastic Limit, Modulus of elasticity, Poisson's Ratio, Modulus of rigidity and bulk modulus
92		2092	170430119113	Soni Parthiv Ajaykumar	
93		2093	170430119114	Tandel Divyansh Chandrashekhar	
94		2094	170430119115	Trivedi Abhishek Subhashkumar	
96	20	2095	170430119116	Vaghela Jay Nareshkumar	Theory of simple bending, Assumptions, derivation of equation of bending
97		2096	170430119117	Vaja Jaydeep Rameshbhai	
98		2097	170430119118	Vala Narendrasinh Natubha	
99		2098	170430119119	Varashani Rajkumar Hiteshbhai	
100	21	2099	170430119120	Vegad Kuldeep Khodabhai	Assumptions, application of theory of torsion equation to solid & hollow circular shaft, torsional rigidity.
101		2100	170430119121	Vyas Meetkumar Dhavalbhai	
102		2101	170430119122	Yadav Bhumesb Sbedar	
103		2102	170430119123	Yusfjay Samir Zahirkhan	
104	22	2103	170430119124	Zala Kuldip Bhojabhai	Elastic, homogeneous, isotropic materials; Stress -Strain relationships for ductile and brittle materials, limits of elasticity and
105		2104	160430119042	Jani Sagar Ghanshyambhai	
106	23	2105		Kakva Hiren Jayeshbhai	Principle of transmissibility, Principle of superposition, Law of gravitation, Law of parallelogram of forces.
107		2106		Gohil Jasmin Madhubhai	
108		2107		Jani Parixit Yogeshbhai	
109		2108		Pathak Akshat Atulkumar	
110		2109		Shah Shreenil Priteshkumar	
111	24	2110		Patel Nandan Dineshkumar	Coplanar Forces, Concurrent Forces, Parallel Forces, Colinear Forces, Resultant Force, Equilibrant Force
112		2111		Danadadiya Dhavalkumar Mahadevbhai	
113		2112		Patel Dipak Pravinbhai	
114		2113		Gohil Rajat Balavantbhai	
115		2114		Shingala Dhavalkumar Kishorbhai	
116	25	2115		Bakraniya Rutvik Prafulbhai	Explain Free body diagrams of System Law of triangle of forces, Law of polygon of forces
117		2116		Kava Brijesh Naranbhai	
118		2117		Nakum Gautam Jayeshbhai	
119		2118		Patel Keval Rajnikant	
120		2119		Karena Ajay Kishorbhai	
121	26	2120		Solanki Nisargbhai Bakulbhai	Equilibrium conditions for coplanar concurrent forces, Lami's theorem.
122		2121		Parmar Milan Rajendrabhai	
123		2122		Dsouza Brealwin Stany	
124		2123		Dabhi Nitinbhai Babubhai	
125		2124		Dave Bhargav Durgeshbhai	

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126	27	2125		Chudasama Jay Rameshbhai	Moments & couples, Characteristics of moment and couple, Equivalent couples, Force couple system,
127		2126		Pithwa Hardik Pradipbhai	
128		2127		Dodiya Khushalbhai Jivanbhai	
129		2128		Mori Sagar Jagdishbhai	
130		2129		Bilakhiya Sarfaraj Iqbalbhai	
131	28	2130		Makwana Harsh Satishbhai	Varignon's theorem and its Application.
132		2131		Chauhan Darshan Bharatbhai	
133		2132		Kava Kirtan Rajeshbhai	
134		2133		Chauhan Dilipbhai Bhikhabhai	
135	29	2134		Yadav Piyush Chandrakantbhai	Types of loads, Types of supports, Types of beams; Determination of support reactions,
136		2135		Vishal M Dabhi	
137		2136		Dhodi Jiten Sureshbhai	
138		2137		Chaudhari Adarshkumar Vikrambhai	
139	30	2138		Rathva Jashavantbhai Lulsingbhai	Relationship between loading, shear force & bending moment, Bending moment and shear force diagrams for beams subjected to concentrated loads
140		2139		Malakar Sohan Madanlal	
141		2140		Gadhiya Bilal Arifbhai	

IMPORTANT INSTRUCTION:

* Students Group will have to submit Power Point Presentation (PPT) of their GROUP to Prof. B. H. Solanki

A - Division: Date of Submission 17/09/2018

B - Division: Date of Submission 20/09/2018

* 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. B. H. Solanki
(Ass. Prof., App. Mech. Deptt.)

Head of Department
(Applied Mechanics Department)