

G.M.N. COLLEGE, AMBALA CANTT

LESSON PLAN FOR THE SESSION 2018-19 (EVEN SEMESTER)

CLASS- M.Sc Maths IV Semester SUBJECT/PAPER NAME- Fluid Mechanics II NAME OF THE TEACHER- Ms. Pooja Chauhan	
05.01.2019	Holiday Due to H.T.E.T Exam
07.01.2019	Fundamental Equation
08.01.2019	Derivation of equation of continuity
09.01.2019	Equation of motion in cylindrical coordinates
10.01.2019	Equation of motion in spherical coordinates
11.01.2019	Two dimensional inviscid incompressible flows
12.01.2019	Stream function
14.01.2019	Irrotational motion in two dimensions
15.01.2019	Complex velocity potential
16.01.2019	Sources
17.01.2019	Sinks
18.01.2019	Doublets & their images
19.01.2019	Thomson circle theorem
21.01.2019	Two dimensional irrotational motion produced by motion of circular cylinder
22.01.2019	Two dimensional motion
23.01.2019	Motion due to elliptic cylinder in an infinite mass of liquid
24.01.2019	Kinetic energy of liquid contained in rotating elliptic cylinder
25.01.2019	Related Problems
26.01.2019	REPUBLIC DAY
28.01.2019	Circulation about elliptic cylinder
29.01.2019	Theorem of Blasius
30.01.2019	Theorem of Kutta & Joukowski
31.01.2019	Class test
01.02.2019	Kinetic energy of cyclic & acyclic irrotational motion
02.02.2019	Axisymmetric flows
04.02.2019	Stoke's stream function
05.02.2019	Problems
06.02.2019	Numericals
07.02.2019	Stoke's stream function of some basic flows
08.02.2019	Class Test

09.02.2019	Three dimensional motion
11.02.2019	Motion of a sphere through liquid at rest at infinity
12.02.2019	Liquid streaming past a fixed sphere
13.02.2019	Equation of motion a sphere
14.02.2019	Revision
15.02.2019	Some other theorems
16.02.2019	Group discussion
18.02.2019	Related problems
19.02.2019	Guru Ravi Das Jayanti
20.02.2019	Alembert's paradox
21.02.2019	Impulsive motion
22.02.2019	Initial motion of liquid contained in intervening space between 2 concentric spheres
23.02.2019	Vortex motion
25.02.2019	Elementary properties of vortex motion
26.02.2019	Kelvin's proof of permanence
27.02.2019	Group discussion
28.02.2019	Motion due to circular vortices
01.03.2019	Rectilinear vortices
02.03.2019	Related results
04.03.2019	MAHA SHIVRATRI
05.03.2019	Problems
06.03.2019	Class test
07.03.2019	Infinite rows of line vortices
08.03.2019	Dynamical similarity
09.03.2019	Related problems
11.03.2019	Group discussion
12.03.2019	Problem Solving
13.03.2019	class test
14.03.2019	Buckingham pi theorem
15.03.2019	Reynolds number
16.03.2019	Prandtl's boundary layer
18.03.2019	HOLI BREAK
19.03.2019	
20.03.2019	
21.03.2019	
22.03.2019	
23.03.2019	
25.03.2019	
26.03.2019	Blasius solution
27.03.2019	Boundary layer thickness
28.03.2019	Displacement thickness
29.03.2019	Karman integral conditions
30.03.2019	Separation of boundary layer
01.04.2019	Numerical problems

02.04.2019	Some related results
03.04.2019	Revision
04.04.2019	Revision
05.04.2019	Numerical
06.04.2019	Revision
08.04.2019	Problems
09.04.2019	Revision
10.04.2019	Class test
11.04.2019	Revision
12.04.2019	Revision
13.04.2019	Class test
15.04.2019	GROUP DISCUSSION

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CLASS- M.Sc Maths IV Semester SUBJECT/PAPER NAME- Mechanics of Solids NAME OF THE TEACHER- Ms. Pooja Chauhan	
05.01.2019	Holiday Due to H.T.E.T Exam
07.01.2019	Two dimensional problems: Plane Strain
08.01.2019	Plane Stress
09.01.2019	Generalized Plane Stress
10.01.2019	Airy Stress Function
11.01.2019	General solution of Biharmonic equation
12.01.2019	Stresses in terms of analytic function
14.01.2019	Displacements in terms of analytic function
15.01.2019	Complex Potential
16.01.2019	Stresses in terms of Complex Potential
17.01.2019	Strains in terms of Complex Potential
18.01.2019	Structure of Analytic functions
19.01.2019	Class test
21.01.2019	First BVP
22.01.2019	Second BVP
23.01.2019	Existence of solutions
24.01.2019	Uniqueness of solution
25.01.2019	Related Results
26.01.2019	REPUBLIC DAY
28.01.2019	Waves Propagation
29.01.2019	Isotropic elastic solid medium
30.01.2019	Classification of waves
31.01.2019	Class test
01.02.2019	Waves of dilation
02.02.2019	Waves of distortion
04.02.2019	Plane waves
05.02.2019	Elastic surface waves
06.02.2019	Rayleigh waves
07.02.2019	Love waves
08.02.2019	Results based on types of waves
09.02.2019	Extension of beams
11.02.2019	Bending of beams by own weight
12.02.2019	Terminal couples
13.02.2019	Bending of rectangular beams
14.02.2019	Revision

15.02.2019	Some other theorems
16.02.2019	Class test
18.02.2019	Torsion
19.02.2019	Guru RaviDass Jayanti
20.02.2019	Torsion of cylindrical bars
21.02.2019	Torsional rigidity
22.02.2019	Torsion & stress function
23.02.2019	Strain functions
25.02.2019	Torsion of anisotropic beams
26.02.2019	Simple problems related to circle
27.02.2019	Group discussion
28.02.2019	Problems based on ellipse
01.03.2019	Problems on equilateral triangles
02.03.2019	Related results
04.03.2019	MAHA SHIVRATRI
05.03.2019	Body & surface waves
06.03.2019	-----do-----
07.03.2019	Lines of shearing stress
08.03.2019	-----do-----
09.03.2019	Related problems
11.03.2019	Group discussion
12.03.2019	Problem Solving
13.03.2019	Class test
14.03.2019	Variational problems
15.03.2019	Theorem of minimum potential energy
16.03.2019	Theorem of minimum complementary energy
18.03.2019	HOLI BREAK
19.03.2019	
20.03.2019	
21.03.2019	
22.03.2019	
23.03.2019	
25.03.2019	
26.03.2019	Deflection of elastic string
27.03.2019	Central line of a beam & elastic membrane
28.03.2019	Group discussion
29.03.2019	Class test
30.03.2019	Numerical
01.04.2019	Numerical problems
02.04.2019	Solution of Euler's equation by Ritz
03.04.2019	Solution by Galerkin
04.04.2019	By kantrovich methods
05.04.2019	Numerical
06.04.2019	Decoupling
08.04.2019	Problems

09.04.2019	Revision
10.04.2019	Class test
11.04.2019	Revision
12.04.2019	Revision
13.04.2019	RAM NAVMI
15.04.2019	GROUP DISCUSSION

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LESSON PLAN FOR THE SESSION 2018-19 (EVEN SEMESTER)

CLASS- B.COM 2nd Semester
SUBJECT/PAPER NAME- Elements of Business Maths
NAME OF THE TEACHER- Ms. Pooja Chauhan

03.01.2019	Introduction to Data
04.01.2019	Types of Data
10.01.2019	Differences between types of data
11.01.2019	Collection of data
12.01.2019	Methods of collecting data
17.01.2019	Editing of data
18.01.2019	Classification of data
19.01.2019	Objectives of collecting data
24.01.2019	Methods of classification
25.01.2019	Different ways of classifying data
26.01.2019	Types of frequency series
31.01.2019	Related problems
01.02.2019	Tabulation of data
02.02.2019	Objectives of tabulation
07.02.2019	General rules of tabulation
08.02.2019	Parts of statistical table
09.02.2019	Types of tables
14.02.2019	Exercises
15.02.2019	Objectives of diag. representation
16.02.2019	Types of diag.
21.02.2019	Simple bar diagrams
22.02.2019	Multiple bar diagrams
23.02.2019	Sub-divided bar diag.
28.02.2019	Percentage sub divided bar diag.
01.03.2019	Dialateral bar diag.
02.03.2019	Pie charts
07.03.2019	Pictographs
08.03.2019	Graphical representation of data
09.03.2019	Construction of graphs
14.03.2019	Rules for constructing graphs
15.03.2019	Graphs of one & more variables
16.03.2019	Zone chart, Band graph
21.03.2019	Line frequency graph, Histogram, Frequency polygon
22.03.2019	Frequency curve, Cumulative frequency curve
23.03.2019	Approaches to data interpretation
28.03.2019	Interpretation of pictograph
29.03.2019	Related problems
30.03.2019	Examples
04.04.2019	Exercises
05.04.2019	Problems
06.04.2019	Group discussion
11.04.2019	Revision
12.04.2019	Class Test
13.04.2019	RAM NAVMI

