

2022-23

Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: BCOM I

Paper : Elements of Business Mathematics

Session: 2022-23

Lesson plan from 01-09-2022 to 24-12-2022.

Week 1 : Algebra of matrices

Week 2 : Determinants

Week 3 : continued

Week 4 : Matrices continued

Week 5 : Differentiation

Week 6 : continued

Week 7 : continued

Week 8 : Diwali vacations

Week 9 : Sequence and Series

Week 10: continued

Week 11 : continued

Week 12 : Compound Interest

Week 13 : Annuities

Week 14: continued

Week 15: Logarithms

Week 16 : revision till 24-12-2022

25-12-2022 onwards Exam start.

Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bsc II CS

Paper : Statics

Session:2022-23

Lesson plan from 01-09-2022 to 24-12-2022.

Week 1 : Forces acting at a point

Week 2 : continued

Week 3 : parallel forces

Week 4 : Moments

Week 5 : continued

Week 6 : Forces in three Dimensions

Week 7 : continued

Week 8 : Diwali vacations.

Week 9 : Wrenches

Week 10 : continued

Week 11 : Null lines and Null planes

Week 12 : Center of Gravity

Week 13 : continued

Week 14 : Stable, Unstable and Neutral Equilibrium

Week 15 : continued

Week 16 : revision till 24-12-2022

25-12-2022 onwards Exams.



Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bsc II Nm + BA II

Paper : Statics

Session:2022-23

Lesson plan from 01-09-2022 to 24-12-2022.

Week 1 : Forces acting at a point

Week 2 : continued

Week 3 : parallel forces

Week 4 : Moments

Week 5 : continued

Week 6 : Forces in three Dimensions

Week 7 : continued

Week 8 : Diwali vacations.

Week 9 : Wrenches

Week 10 : continued

Week 11 : Null lines and Null planes

Week 12 : Center of Gravity

Week 13 : continued

Week 14 : Stable, Unstable and Neutral Equilibrium

Week 15 : continued

Week 16 : revision till 24-12-2022

25-12-2022 onwards Exams.



LESSON PLAN

Name of Assistant Professor: Dr. Pooja Nagpal

2022-23 EVEN SEM

Department of Mathematics

Class: B.SC II 4TH SEM N.M /C.S/ B.A

SESSION: 2022-23

Subject: Programming in C and Numerical Methods.

Lesson Plan: From February 2023 to May 2023

1 Feb to 4 Feb	Solution of Algebraic And Transcendental Equations
6 Feb to 11 Feb	Same
13 Feb to 18 Feb	same
20 Feb to 25 Feb	Same
27 Feb to 4 March	Simultaneous Linear Algebraic Equations
5 March to 12 March	Holi Break
13 March to 18 March	Same
20 March to 25 March	same



27 March to 1 April	A General Introduction
3 April to 8 April	: Introduction to c ,Data Types
10 April to 15 April	Same
17 April to 22 April	Operators and Expressions, decision control structures
24 April to 29 April	Same
1 May to 6 May	loops ,The C Processor , Array
8 May to 13 May	File in C
15 May to 20 May	Same
22 May to 25 May	Same
Revision	

LESSON PLAN

Name of Assistant Professor : Dr. Pooja Nagpal

Class: B. SC. I 2nd sem

Subject: vector calculus

1 Feb to 4 Feb	Review chapter
6 Feb to 11 Feb	Same



13 Feb to 18 Feb	multiple products of vectors
20 Feb to 25 Feb	same
27 Feb to 4 March	Same
5 March to 12 March	Holi Break
13 March to 18 March	Differentiation Of Vectors
20 March to 25 March	Same
27 March to 1 April	Gradient ,Divergence And Curl
3 April to 8 April	Same
10 April to 15 April	Curvilinear Co-ordinates
17 April to 22 April	Same
24 April to 29 April	Vector Integration
1 May to 6 May	same
8 May to 13 May	Gauss, Green and Stokes Theorems
15 May to 20 May	Same
22 May to 25 May	Revision
Examination Start	

Class: B.B.A I 2ND SEM

Subject: ELEMENTS OF BUSSINESS MATHEMATICS

1 Feb to 4 Feb	Cartesian system of rectangular co-ordinates
6 Feb to 11 Feb	SAME
13 Feb to 18 Feb	Straight line
20 Feb to 25 Feb	SAME
27 Feb to 4 March	SAME
5 March to 12 March	Holi Break
13 March to 18 March	Arithmetic Geometric and Harmonic progressions
20 March to 25 March	Same
27 March To 1 April	Same
3 April To 8 April	Same
10 April To 15 April	Integration
17 April To 22 April	Same
24 April To 29 April	Same
1 May to 6 May	Applications of Integration in Business Mathematics
8 May to 13 May	Compound Interest



15 May to 20 May	logarithms
22 May to 25 May	Revision
Exam Starts	

2023-24

Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bsc II NM/CS/B.A

Paper : Statics

Session: 2023-24

Lesson plan from 21-07-2023 to 24-11-2023.

Week 1 : Forces acting at a point

Week 2 : continued

Week 3 : parallel forces

Week 4 : Moments

Week 5 : continued

Week 6 : Forces in three Dimensions

Week 7 : continued

Week 8 : continued

Week 9 : Wrenches

Week 10 : continued

Week 11 : Null lines and Null planes

Week 12 : Center of Gravity

Week 13 : continued

Week 14 : Stable, Unstable and Neutral Equilibrium

Week 15 : continued

Week 16 : Diwali vacations

Week 17 : Diwali vacations

Week 18 : revision till 24-11-2023

25-11-2023 onwards Exams.



Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bsc 1 NM

Paper : CALCULUS

Session: 2023-24

Lesson plan from 21-07-2023 to 24-11-2023.

Week 1 : Review chapter

Week 2: Limits ,Continuity and Derivability

Week 3: continued

Week4: Indeterminate form

Week 5: Successive Differentiation

Week 6 : Asymptotes

Week 7 : continued

Week 8 :. curvature

Week 9 : singular points

Week 10 : continued

Week 11 : curve tracing

Week 12 : continued

Week 13 : reduction formula

Week 14 : rectification

Week 15 : quadrature

Week 16 : Diwali vacations

Week 17 : volume and surfaces of solid revolution

Week 18 : revision till 24-11-2023

25-11-2023 onwards Exams.



Lesson plan Odd semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: BCA II

Paper : Elements of computer oriented numerical methods

Session: 2023-24

Lesson plan from 21-07-2023 to 24-11-2023.

Week 1 : Computer Arithmetic

Week 2: Solutions of Algebraic and transcendental equations

Week 3: continued

Week4: solution of simultaneous Linear algebraic equations

Week 5: continued

Week 6 : continued

Week 7 : continued

Week 8 : Numerical solution of ordinary differential equations

Week 9 : continued

Week 10 : continued

Week 11 : Interpolation

Week 12 : continued

Week 13 : Approximation

Week 14 : continued

Week 15 : Numerical Differentiation

Week 16 : Diwali vacations

Week 17 : numerical integration

Week 18 : revision till 24-11-2023

25-11-2023 onwards Exams.



Lesson plan Even semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bsc II NM/CS/B.A

Paper : Programming in C and Numerical Methods

Session: **2023-24**

Lesson plan from 01-01-2024 to 30-04-2024

Week 1: Solution of Algebraic and transcendental equations

Week 2: continued

Week 3: continued

Week 4: simultaneous linear algebraic equations

Week 5: continued

Week 6: Computer: A general introduction

Week 7 : continued

Week 8 : Introduction to C

Week 9 : Data-types

Week 10 : Operators and expressions

Week 11 : Decision control structures

Week 12 : Holi Vacations

Week 13 : Loops

Week 14 : Functions

Week 15 : The C preprocessor

Week 16 : Arrays

Week 17 : Puppeting of strings

Week 18 : revision till 30-04-2024

01-05-2024 onwards Exams.



Lesson plan Even semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: B.B.A I

Paper : Business mathematics II

Session: **2023-24**

Lesson plan from 01-01-2024 to 30-04-2024

Week 1: Arithmetic and geometric mean

Week 2: continued

Week 3: continued

Week 4: simple and compound interest

Week 5: continued

Week 6: continued

Week 7 : continued

Week 8 : Linear Programming

Week 9 : continued

Week 10 : continued

Week 11 : continued

Week 12 : Holi Vacations

Week 13 : Annuities

Week 14 : indices and logarithms

Week 15 : average ratio and proportion

Week 16 : continued

Week 17 : Percentage, Profit Loss, Discount

Week 18 : revision till 30-04-2024

01-05-2024 onwards Exams.



Lesson plan Even semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: Bcom I CAV

Paper : Bussiness Mathematics II

Session: **2023-24**

Lesson plan from 01-01-2024 to 30-04-2024

Week 1: Differentiation

Week 2: continued

Week 3: continued

Week 4: Integration

Week 5: continued

Week 6: continued

Week 7 : continued

Week 8 : continued

Week 9 : permutations and combinations

Week 10 : continued

Week 11 : continued

Week 12 : Holi Vacations

Week 13 : Linear Programming

Week 14 : continued

Week 15 : Binomial theorem

Week 16 : continued

Week 17 : continued

Week 18 : revision till 30-04-2024

01-05-2024 onwards Exams.



Lesson plan Even semester

Name : Dr. Pooja Nagpal

Department: Mathematics

Class: BCA II

Paper : Elements of Computer Oriented Statistical Methods

Session: **2023-24**

Lesson plan from 01-01-2024 to 30-04-2024

Week 1: Basic statistics

Week 2: continued

Week 3: measure of central tendency

Week 4: moments and moment generating function

Week 5: continued

Week 6: probability distribution

Week 7 : continued

Week 8 : correlation

Week 9 : regression

Week 10 : continued

Week 11 : statistical inference

Week 12 : Holi Vacations

Week 13 : chi-Square test

Week 14 : continued

Week 15 : curve fitting

Week 16 : continued

Week 17 : Analysis of variance (ANOVA)

Week 18 : revision till 30-04-2024

01-05-2024 onwards Exam

