

(EVEN)

Lesson plan

Name of College: Govt. College for Women, Shahzadpur (Ambala)

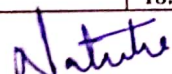
Academic Session: April –July (2021-22)

Class: B.Sc IIInd Year

Paper: Sequence and Series BM-241

Teacher's Name: Natasha

Week	Dates	Topic to be covered	Academic/Activity to be organized	Assignments/Test
Week 1	08.04.2022-14.04.2022	Sequences		
Week 2	15.04.2022-21.04.2022	Sequences		Doubt Session, Test
Week 3	22.04.2022-28.04.2022	Infinite Series		
Week 4	29.04.2022-05.05.2022	Infinite Series		
Week 5	06.05.2022-12.05.2022	Infinite Series (Continued)		Doubt Session
Week 6	13.05.2022-19.05.2022	Infinite Series (Continued)		Test
Week 7	20.05.2022-26.05.2022	Alternating Series		
Week 8	27.05.2022-02.06.2022	Arbitrary Series		
Week 9	03.06.2022-09.06.2022	Arbitrary Series		Doubt Session
Week10	10.06.2022-16.06.2022	Topology of Real Numbers	Seminar	
Week11	17.06.2022-23.06.2022	Topology of Real Numbers		Doubt Session
Week12	24.06.2022-30.06.2022	Topology of Real Numbers		Test
Week13	31.06.2022-06.07.2022	Infinite Products		
Week14	07.07.2022-13.07.2022	Infinite Products		Test
Week15	14.07.2022-18.07.2022	Revision		


Teacher's Sign

(NATASHA)


HOD

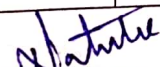
Principal

(EVEN)

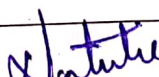
Lesson plan

Name of College: Govt. College for Women, Shahzadpur (Ambala)
Academic Session: April –July (2021-22)
Class: B.Sc IInd Year
Paper: BM -243 PROGRAMMING IN C & NUMERICAL METHODS
Teacher's Name: Natasha

Week	Dates	Topic to be covered	Academic/Activity to be organized	Assignments/Test
Week 1	08.04.2022-14.04.2022	Solution of Algebraic and Transcendental equations: Bisection method, Regula-Falsi method,		
Week 2	15.04.2022-21.04.2022	Secant method, Newton-Raphson's method. Newton's iterative method for finding pth root of a number		Test
Week 3	22.04.2022-28.04.2022	Order of convergence of above methods Simultaneous linear algebraic equations: Gauss-elimination method,		
Week 4	29.04.2022-05.05.2022	Gauss-Jordan method, Triangularization method (LU decomposition method). Crout's method, Cholesky Decomposition method.		Test
Week 5	06.05.2022-12.05.2022	Iterative method, Jacobi's method, Gauss-Seidal's method, Relaxation method.		
Week 6	13.05.2022-19.05.2022	Programmer's model of a computer, Algorithms, Flow charts		
Week 7	20.05.2022-26.05.2022	Data types, Operators and expressions, Input / outputs functions.		
Week 8	27.05.2022-02.06.2022	Decisions control structure: Decision statements, Logical and conditional statements, Implementation of Loops	Seminar	Test
Week 9	03.06.2022-09.06.2022	Switch Statement & Case control structures. Functions, Preprocessors and Arrays.		
Week 10	10.06.2022-16.06.2022	Strings: Character Data Type, Standard String handling Functions		
Week 11	17.06.2022-23.06.2022	Arithmetic Operations on Characters.		
Week 12	24.06.2022-30.06.2022	Structures: Definition, using Structures		Test
Week 13	31.06.2022-06.07.2022	use of Structures in Arrays and Arrays in Structures.		Assignment
Week 14	07.07.2022-13.07.2022	Pointers: Pointers Data type, Pointers and Arrays, Pointers and Functions.		
Week 15	14.07.2022-18.07.2022	Revision		


Teacher's Sign

(NATASHA)


HOD

Principal

Lesson Plan

Name of College : Government College for Women, Shahzadpur (Ambala)

Academic Session : April-July (2021-22)


Class : B.Sc. 4th Semester Non-Med (4-6) Days


Paper : Statistical Physics (PH-401)

Teacher's Name: Dr. Raj Kumari

Month	Dates	Topic to be covered	Academic/ Activity to be organized	Assignments/ Tests
April	8-9	Unit-I Statistical Physics I Introduction: Microscopic and macroscopic systems,		
	14-16	Events mutually exclusive, dependent and independent, Probability, statistical probability		
	21-23	A-priori probability and relation between them, Probability theorems, some probability considerations		
	28-30	Combinations possessing maximum probability and minimum probability, Tossing of 2,3 and any number of coins, permutations and combinations		Assignment I
May	5-7	Distributions of N (for N=2,3,4) distinguishable and indistinguishable particles in two boxes of equal size, Micro and macro states, thermodynamical probability		
	12-14	Constraints and accessible states, statistical fluctuations, General Distribution of distinguishable particles in compartments of different sizes	Declamation Contest	
	19-21	Conditions of equilibrium between two systems in thermal contact-beta entropy, Entropy and probability (Boltzmann's relation) & 1 st Assignment		
	26-28	Unit-II Statistical Physics II Introduction: Postulates of statistical physics, Phase space, Division of phase space into cell, Three kinds of statistics, Basic approach in three statistics		Assignment II
June	2-4	M.B. applied to an ideal gas in equilibrium-energy distribution law, Speed distribution law, velocity distribution law		Test I
	9-11	Expression for average speed, r.m.s speed, Average velocity, r.m.s velocity, most probable energy, Mean energy for		

		Maxwell's distribution		
	16-18	Unit-III Quantum Statistics Need for quantum statistics, Bose-Einstein energy distribution law, Application of B.E. statistics of plank's radiation law B.E gas, Degeneracy and B.E condensation		
	23-25, 30	Fermi Dirac energy distribution law, F.D gas and degeneracy, Fermi energy and Fermi temperature, F.D energy distribution law, Fermi dirac gas and degeneracy, Fermi energy and Fermi temperature		Test II
July	1-2	F.D energy distribution law for electron gas in metals, Zero-point energy, Pressure and average speed of electron gas,	Seminar by students	
	7-9	Specific heat anomaly of metals and its solution, M.B. distribution as a limiting case of B.E and F.D distributions, Comparison of three statistics		
	14-16	Unit-IV Theory of Specific Heat of Solids: Dulong and petit law and its derivation from classical physics, Specific heat of low temperature		
	21-23	Einstein theory of specific heat, Criticism of Einstein theory, Debye model of specific heat of solids, its success and shortcomings		
	28-30	Comparison of Einstein and Debye theories, Numerical Problems, Queries		Revision Test


Teacher's Sign


HOD
(Dr. Raj Kumari)

Principal