Lesson Plan
Academic Session: 2023-24

Course Name: Basics of Computer-II
Name of the Faculty: Mr. Ranjan Yadav
Class: B.Com – I **Semester:** 2nd

Week	Date	Topics
1	08/01/2024 - 13/01/2024	Fundamental of computers: Model of a digital computer, Functioning of a digital computer
2	15/01/2024 - 20/01/2024	Advantages of computers , Difference between digital computer and analog computer
3	22/01/2024 - 27/01/2024	Applications of computers: Computers in Commerce, Marketing, Education and Management
4	29/01/2024 - 03/02/2024	Software concepts: Types of Software and their role, Different System Software types- Operating systems, Translators, System Utilities; Concept of Application Packages, Revision
5	05/02/2024 - 10/02/2024	Types of an Operating system- Multi-user O.S., Multi-tasking O.S., Multi-Processing O.S; Time – sharing O.S., Revision
6	12/02/2024 - 17/02/2024	Multi-Programming O.S. Operating System as a resource Manager, concept of GUI and CUI., Revision
7	19/02/2024 - 24/02/2024	Introduction to Windows: Components of a Application Window; Types of Windows, Windows as an Operating System, Revision
8	26/02/2024 - 02/03/2024	Windows explorer, Using Paintbrush, Control Panel, Installing a printer
9	04/03/2024 - 09/03/2024	User interfaces- CUI and GUI; Concept of a Desktop and Taskbar, My Computer, Recycle Bin, Revision
10	11/03/2024 - 16/03/2024	My Documents and Internet Explorer icons, Revision
11	18/03/2024 - 22/03/2024	MS-Excel: Applications of a Spreadsheet; Advantages of an Spreadsheet; Features of Excel; Rows, Columns, Revision
12	01/04/2024 - 06/04/2024	Cell, Menus, Creating worksheet, Formatting, Printing, establishing worksheet links, Revision
13	08/04/2024 - 12/04/2024	Table creating and printing graphs, Macros, Using Built-in-functions, Revision
14	15/04/2024 - 20/04/2024	Revision, Assignment, & Doubt Classes

Lesson Plan
Academic Session: 2023-24

Course Name: Structured Systems Analysis and Design
Name of the Faculty: Mr. Ranjan Yadav
Class: B.Sc. NM with Computer Science   **Semester:** 2nd

Week	Date	Topics
1	08/01/2024 - 13/01/2024	Introduction to system, Definition and characteristics of a system, Elements of system, Types of system, System development life cycle
2	15/01/2024 - 20/01/2024	Role of system analyst, Analyst/user interface, System planning and initial investigation: Introduction, Bases for planning in system analysis
3	22/01/2024 - 27/01/2024	Sources of project requests, Initial investigation, Fact finding, Information gathering, information gathering tools
4	29/01/2024 - 03/02/2024	Structured analysis, Tools of structured analysis: DFD, Data dictionary, Flow charts, Gantt charts, decision tree, decision table, structured English, Pros and cons of each too
5	05/02/2024 - 10/02/2024	Feasibility study: Introduction, Objective, Types, Steps in feasibility analysis, Feasibility report, Oral presentation
6	12/02/2024 - 17/02/2024	Cost and benefit analysis: Identification of costs and benefits, classification of costs and benefits, Methods of determining costs and benefits, Interpret results of analysis and take final action.
7	19/02/2024 - 24/02/2024	System Design: System design objective, Logical and physical design, Design Methodologies, structured design
8	26/02/2024 - 02/03/2024	Form-Driven methodology(IPO charts), structured walkthrough, Input/output and form design: Input design, Objectives of input design
9	04/03/2024 - 09/03/2024	Output design, Objectives of output design, Form design, Classification of forms, requirements of form design
10	11/03/2024 - 16/03/2024	Types of forms, Layout considerations, Form control
11	18/03/2024 - 22/03/2024	System testing: Introduction, Objectives of testing, Test plan, testing techniques/Types of system tests
12	01/04/2024 - 06/04/2024	Quality assurance goals in system life cycle, System implementation, Process of implementation, System evaluation, System maintenance and its type
13	08/04/2024 - 12/04/2024	System documentation, Forms of documentation
14	15/04/2024 - 20/04/2024	Revision, Assignment, & Doubt Classes

Lesson Plan
Academic Session: 2023-24

Course Name: Programming in C

Name of the Faculty: Mr. Ranjan Yadav

Class: B.Sc. NM with Computer Science   **Semester:** 2nd

Week	Date	Topics
1	08/01/2024 -13/01/2024	Basic concept of programming techniques of problem solving, algorithm design, flow chart
2	15/01/2024 -20/01/2024	Flow chart terminology, examples, concept of structured programming, top down approach, development of efficient programs
3	22/01/2024 -27/01/2024	Program correctness, debugging, testing of program, algorithm for searching- linear search
4	29/01/2024 -03/02/2024	Language C- introduction, history of C, elements of C, structure of C- small programs
5	05/02/2024 -10/02/2024	C identifiers, keywords, character set, data type, definition, declaration, operators
6	12/02/2024 -17/02/2024	Arithmetic operators, logical operators, relational operators, arithmetic operators, bitwise, unary, binary operators, assignment, conditional operators
7	19/02/2024 -24/02/2024	Type casting and conversion, evaluation of arithmetic operators
8	26/02/2024 -02/03/2024	Decision making and branching, loops structure
9	04/03/2024 -09/03/2024	For loop , do loop, Do while loop, GoTo statement, Break and continue- programming
10	11/03/2024 -16/03/2024	Pointers, definition, use, applications
11	18/03/2024 -22/03/2024	File handling, create , rename, saving, editing, updating, writing and deleting a file
12	01/04/2024 -06/04/2024	Array, multidimensional array, Programs on array using loops
13	08/04/2024 -12/04/2024	structure and union
14	15/04/2024 -20/04/2024	Revision, Assignment, & Doubt Classes

Lesson Plan
Academic Session: 2023-24

Course Name: Data Structure Using C/C++

Name of the Faculty: Mr. Ranjan Yadav

Class: B.Sc. NM with Computer Science   **Semester:** 4th

Week	Date	Topics
1	08/01/2024 - 13/01/2024	Data structure- its definition and applications, Operations, Complexity and Analysis of algorithm. Introduction to array, memory allocation, address calculation.
2	15/01/2024 - 20/01/2024	Introduction to Stack, applications of stack, prefix, postfix, infix expressions, evaluation of postfix expressions.
3	22/01/2024 - 27/01/2024	Conversion of infix to postfix and examples, numerical C program to convert infix to postfix- Practical.
4	29/01/2024 - 03/02/2024	Introduction to Queue, applications of Queue, simple queue, insert and delete algorithms.
5	05/02/2024 - 10/02/2024	Circular Queue, insert and delete algorithm in circular queue- applications
6	12/02/2024 - 17/02/2024	Double ended queue- operations on DEQ, introduction to linked list, header node
7	19/02/2024 - 24/02/2024	Implementation of stack as linked list, queue as linked list-C program
8	26/02/2024 - 02/03/2024	Implementation of linked list in C, Revision of algorithms
9	04/03/2024 - 09/03/2024	Basic terminology of tree, introduction, tree representation, representation of tree as an array
10	11/03/2024 - 16/03/2024	Binary tree, representation of binary tree, complete binary tree, strict binary tree
11	18/03/2024 - 22/03/2024	Threaded binary tree, tree traversals, infix, prefix and postfix traversals, Numerical on traversals- c programs on traversals
12	01/04/2024 - 06/04/2024	Graph –introduction to graph, terminology of graph, graph representation as an array, Spanning tree, shortest path algorithms, Dijkystra algorithm
13	08/04/2024 - 12/04/2024	Sorting algorithms, internal and external sorting algorithms, Searching techniques, C program to implement linear search and Binary search
14	15/04/2024 - 20/04/2024	Revision, Assignment, & Doubt Classes

Lesson Plan
Academic Session: 2023-24

Course Name: Operating Systems
Name of the Faculty: Mr. Ranjan Yadav
Class: B.Sc. NM with Computer Science   **Semester:** 4th

Week	Date	Topics
1	08/01/2024 -13/01/2024	Introductory Concepts: Operating system functions and characteristics, historical evolution of operating systems
2	15/01/2024 -20/01/2024	types of Operating System: Real time, Multiprogramming, Multiprocessing, Batch processing
3	22/01/2024 -27/01/2024	Methodologies for implementation of O/S service system calls, system programs.
4	29/01/2024 -03/02/2024	Process management: Process concepts, operations on processes, Process states and Process Control Block
5	05/02/2024 -10/02/2024	CPU Scheduling: Scheduling criteria, Levels of Scheduling, Scheduling algorithms
6	12/02/2024 -17/02/2024	Multiple processor scheduling. Deadlocks: Deadlock characterization
7	19/02/2024 -24/02/2024	Deadlock prevention and avoidance
8	26/02/2024 -02/03/2024	Concurrent Processes: Critical section problem, Semaphores
9	04/03/2024 -09/03/2024	Classical process co-ordination problems and their solutions
10	11/03/2024 -16/03/2024	Inter-process Communications. Storage Management : memory management of single-user and multi-user operating system
11	18/03/2024 -22/03/2024	partitioning, swapping, paging and segmentation, Thrashing
12	01/04/2024 -06/04/2024	File management: File Systems: Functions of the system, File access methods, allocation methods: Contiguous allocation
13	08/04/2024 -12/04/2024	linked, indexed allocation, Directory Systems: Structured Organizations directory and file protection mechanisms
14	15/04/2024 -20/04/2024	Revision, Assignment, & Doubt Classes

Lesson Plan of BA 3rd& 6thSem.   Session -2023-24(English)

1. Introduction to Drama, History of / Growth of English Drama, Types of Drama;

   Elements of Theatre   (4-14 Jan.)

2. Introduction to the Author (15-16 Jan.)

3. Brief Summary of the Play (17-22 Jan.)

4. Text of The Merchant of Venice + Composition

   ➢ Act 1st, Scene + One Word Substution (23-29 Jan.)

   ➢ Act 1st, Scene 2nd + Precise Writing (30-04 Jan.)

   ➢ Scene 3rd + Abstracting (05-08 Feb.)

   ➢ Act 2nd Scene 1 + Summarising (09-13 Feb.)

   ➢ Act 2nd Scene 2nd + Paraphrasing (14-21 Feb.)

   ➢ Act 2nd Scene 3rd + Correspondence (22-25 Feb.)

   ➢ Test + Assignment (25 Feb.)

   ➢ Act 2nd Scene 4th + Correspondence (26-28 Feb.)

   ➢ Act 2nd scene 5th + One Word Substution (01-05 March)

   ➢ Act 2nd scene 6th + One Word Substution (06-08 March)

   ➢ Act 2nd scene 7th + One Word Substution (09-12 March)

   ➢ Act 2nd scene 8th + One Word Substution (13-14March)

   ➢ Test + Assignment (15March)

   ➢ Act 2nd scene 9th (16-18March)

   ➢ Act 3rd Scene 1st (19-22 March)

   ➢ Act 3rd Scene 2nd (01-02 April)

   ➢ Act 3rd Scene 4th (06-08 April)

   ➢ Act 3rd Scene 5th (09-10 April)

   ➢ Act 4th Scene 1th (11-12 April)

- ➢ Act 4th Scene 2nd (13-15 April)

- ➢ Act 5th Scene 1th (16-19 April)

- ➢ Revision work (20-28 April)

Lesson Plan(English)

B.Sc.-1st, semester- 2nd, 2023-24

1.Our Civilization (4-10Jan),

2. It's Question Time (11-21Jan)

3. An Interview with Christian Barnard +test(21-31Jan)

4.Untochability and the Cast System +test(1-9 Feb)

5.Inhumanisation of War +(10-20Feb)

6.Seven Types of Gender Inequality +test (21-29Feb)

7.Translation from English to Hindi (1-10March)

8.Precis(17-22March)

9.Official Correspondence:Letter Writing (1-10April) Revision(11-30 April)

Lesson Plan of B. A. 2nd & 4th semester Session 2023-24 (English)

1.Spoken English (4-15Jan)

2.The Envoy +translation (16-28Jan)

3. The Swan Song +E-mail Writing (29Jan+8Feb)

4.Test +assignment (9Feb)

5.The Monkey's Paw (11-22Feb)

6.Before Breakfast (23Feb-6March)

7.Test +assignment (7-8March)

8.The Sleepwalkers(9-16 March)

9.Resume Writing (17-22March)

10.Paragrph Writing (1-5April)

11. Revision of Literature (6-28April)

Lesson Plan (English) , (2023-24)B. A. First Sem-II

Literature & Language-II

1.Pigeons at Daybreak +extended grammar (4-7Jan)

2.With the Photographere+extended grammar (8-15Jan)

3.The Journey+ extended grammar (16-23 Jan)

4.The Refugee +extended grammar (24-31Jan)

5.Test+assignment(1-2Feb)

6.Bellows for the Bullock+extended grammar (3-9Feb)

7.Panchlight +extended grammar (10-17Feb)

8.The Child + extended grammar (18-26Feb)

9.The Blind Dog +(extended grammar (27-3Feb+March)

10.Test +assignment (4-5March)

11.Appendix (6-22March)

12.Essay (1-3 April)

13.Grammar of First Sem (4-15April)

14.Revision of Literature &Grammar(16-28April)

Lesson Plan Hindi For the Session 2023-24 Even Semester

Neeraja singh, assistant professor hindi

Sr. No.	Date/Week	BA 1 2nd Semester	BA 2 4th Semester
1.	08/01/2024 to 13/01/2024	भक्ति काल की परिस्थितियां, ध्रुवस्वामिनी नाटक का परिचय, ध्रुवस्वामिनी नाटक पाठ	अध्याय 1 ईदगाह कहानी, आधुनिक काल की परिस्थितियां और विशेषताएं
2.	15/01/2024 to 20/01/2024	सांत काव्य की प्रवृतियां सूफी काव्य की प्रवृतियां, भाषा की परिभाषा,	अध्याय 2 पिथकारि कहानी, पारिभाषिक शब्दावली स्वरूप और महत्व
3.	22/01/2024 to 27/01/2024	रीति काव्य की प्रवृतियां, भाषा के विविध रूप कृष्ण काव्य की प्रवृतियां	अध्याय 3 लिबे का तिलमलक, पारिभाषिक शब्दावली के गुण और विशेषताएं
4.	29/01/2024 to 03/02/2024	जनक भाषा की प्रमुख विशेषताएं, भक्ति काव्य स्वर्णण युग,	अध्याय 4 गैंग्रीन कहानी, पारिभाषिक शब्दावली के निर्माण प्रक्रिया
5.	05/02/2024 to 10/02/2024	हिंदी विणनी परिचय, ध्रुवस्वामिनी नाटक पाठ	अध्याय 5 ठेस कहानी, पारिभाषिक शब्दावली निर्माण के विभिन्न सांप्रदाय
6.	12/02/2024 to 17/02/2024	हिंदी विणनी की प्रमुख सिथयाएं और उनका सिद्धान	अध्याय 6 फैसला कहानी, हिंदी उपन्यास का उद्भव और विकास, हिंदी उपन्यास का विकास
7.	19/02/2024 to 24/02/2024	हावि और लोकोक्तियां ध्रुवस्वामिनी नाटक का प्रतिपाय	अध्याय 7 पच्चीस चौका डेढ़ सौ कहानी, , हिंदी नाटक उद्भव और विकास
8.	26/02/2024 to 02/03/2024	ध्रुवस्वामिनी नाटक पात्र परिचय,	हिंदी निबांध उभव और विकास
9.	04/03/2024 to 09/03/2024	जयशांकि प्रसाद का परिचय और उनकी नाट्य कला की विशेषताएं	कहानी साहित्य का वथि और कला पक्ष, आधुनिक काल की उपलब्धियां
10.	09/03/2024 to 18/03/2024	व्यवहारिक हिंदी का अण	पारिभाषिक शब्दावली के निर्माण प्रक्रिया और श्रीयिा वादी सांप्रदाय और अश्रीय वादी सांप्रदाय

11.	18/03/2024 to 22/03/2024	ध्रवथवामिनी नाटक अमभनय ◌ योजना	कहानी कला के ◌त्व,
12.	01/04/2024 to 06/04/2024	हहदां ◌ी वणणिाला थवि ◌ी व्यांजन	हहदां ◌ी कहानी का उ ◌भव ◌ी ववकास
13.	07/04/2024 to 12/04/2024	Revision 1st unit	Revision
14.	13/04/2024 to 20/04/2024	Revision 2nd unit	Revision

Lesson Plan Even Semester 2023-24
Course & year B.A – I & III,
Subject : HINDI

S.No.	Date /Week	B.A – I (2nd sem)	B.A – III (6th sem)
1	08/01/2024 to 13/01/2024	Dhruv swamini Pathan	Aasha ka ant nibandh prasnotar evm pathan
2	15/01/2024 to 20/01/2024	Dhruv swamini Pathan	Utsah nibandh paathan evm prasnotar
2	22/01/2024 to 27/01/2024	Parsnauttar pathan	gillu nibandh paathan evm prasnotar
3	29/01/2024 to 03/02/2024	Parsuttar dauhrai	Sadachar ka taabij pathan evm prasnottar
4	05/02/2024 to 10/02/2024	Bhakti kal ka udhbav aewam vikas, paristhitiyan	Tibbat ke path par nibandh pathan evm prasnottar
5	12/02/2024 to 17/02/2024	Ram kavyadhaara ki pravartiyan	Devdaru nibandh prasnottar evm paathan
6	19/02/2024 to 24/02/2024	Krishna kavyadhara ki pravartiya	Mere ramka mukut bhig raha hai nibandh prasnottar evm pathan
7	26/02/2024 to 02/03/2024	Sant aevam sufi kavyadhaara ki pravartiyan	Haryanvi bhasha ka udbhav evm vikas, Haryanvi bhasha ki pramukh boliyan
8	04/03/2024 to 09/03/2024	Prashanuttar daauhrai	Haryanvi saang Parampara evm Haryanvi kavita
9	06/03/2024 to 11/03/2024	Vyavharik hindi, bhasha ke vividh roop, bhasha aevam lipi	Upanyas,kahani,naty sahity ,patrakarita
10	18/03/2024 to 22/03/2024	Svar aevam vyanjan, hindi vartani, muhavre aevam lokutiyaan	Sampadak ke gun evm dayitva, feature lekhan evm Swatantra press ki avdharna
11	01/04/2024 to 06/04/2024	Revision and test	Proof reading,Swaroop,niyam evm sakshatkar ka arth evm swaroop

| | 12 | 08/04/2024 to 12/04/2024 | Revision and test | Revision and test | |

Session 2023-24
Name of Asstt. Professor: Dr. Karuna
Class: BA 6th sem
Paper: Real and Complex Analysis

Date	Particulars	Remarks	
4th Jan.- 6th Jan.	Jacobians		
8th Jan.- 13th Jan.	Beta and Gamma functions		
15th Jan.- 20th Jan.	Double integral, Triple integral and its applications		
22nd Jan. – 27th Jan.	change of order of integration, Dirichlets integral		
29th Jan. -3rd Feb.	Fourier expansion of piecewise monotonic functions		
5th Feb. – 10th Feb.	Fourier series for even and odd functions		
12th Feb.- 17th Feb.	Half range series, Change of interval		
19th Feb. – 23rd Feb.	Extended complex plane, Stereographic projection of complex numbers, continuity and differentiability of complex functions		
26th Feb. – 2nd March	Analytic functions, Cauchy-Riemann equations, harmonic functions		
4th March- 9th March	Mappings by elementary functions : Translation, Rotation, Magnification and Inversion		
11th march -16th March	Conformal mappings, Mobius transformation, fixed points		
18th March-22nd March	Cross ratio, Inverse points		
23rd March-31 March	Holi Break		
1st April- 6th April	Critical Mappings		
8th April- 12th April	Revision		
15th April- 20th April	Revision		
22nd April – 27th April	Revision		

Dr Vibha
Lesson Plan of Sanskrit Department
Class Ba second Sem 2024

Month	Weeks	Theory	Compostition
january			
	First and second Week	Sanskrit VagVyavhar	ShabdRoop& Dhatu Roop
	Third Week	Sanskrit Vag Vyavhar	ShabdRoop& Dhatu Roop
	Fourth Week	Dootvakyam	ShabdRoop& Dhatu Roop
february			
	First Week	Dootvakyam	Shabdroop & Dhaturoop
	Second Week	Dootvakyam	Shabdroop & Dhaturoop
	Third Week	Dootvakyam	Shabdroop & Dhaturoop
	Fourth Week	Dootvakyam	Shabdroop& Dhaturoop
marchl			
	First Week	Dootvakyam Revision	Test
	Second Week	Shuknasopdesh	Dhaturoop test evm revision
	Third Week	Shuknasopdesh	Chhand
April	First Week	Shuknasopdesh	Chhand
	Second Week	Shuknasopdesh	Chhand
	Third Week	Shuknasopdesh	Anuvad

Dr Vibha
Lesson Plan of Sanskrit Department
Class Ba fourth Sem

Month	Weeks	Theory	Compostition
January			
	First and second Week	Bhagwadgeeta ka samanya parichay evm Bhomika	Pratyay
	Third Week	Bhagwadgeeta shlok	Pratyay
	Fourth Week	Bhagwadgeeta shlok	Pratyay
February			
	First Week	BhagwadgeetaShlok	Pratyay Test
	Second Week	BhagwadgeetaShlok	Pratyahar Sutra
	Third Week	Bhagwadgeeta Shlok	Pratyahar Sutra
	Fourth Week	BhagwadgeetaShlok	Pratyahar Sutra
March			
	First Week	Bhagwadgeeta revision evm test	Samas
	Second Week	Raghuvansham ka samanya parichay evm shlok	Samas
	Third Week	RaghuvanshamShlok	Samas
APR			
	First Week	Raghuvansham Shlok	Grammar revision test
	Second Week	Raghuvansham Shlok	Patrlekhan
	Third Week	Raghuvansham Shlok	Patrlekhan

Dr Vibha
Lesson Plan of Sanskrit Department
Class Ba sixth Sem

Month	Weeks	Theory	Compostition
January			
	First and Second Week	Abhigyanshakuntalam PanchamAnk	Vaagvyavhar
	Third Week	Abhigyanshakuntalam PanchamAnk	Vaagvyavhar
	Fourth Week	Abhigyanshakuntalam PanchamAnk	Sanskrit sahitya ka itihas
February			
	First Week	AbhigyanshakuntalamPancham Ank	Sanskrit Sahityaka itihas
	Second Week	AbhigyanshakuntalamPancham Ank	Sanskrit Sahitya ka itihas
	Third Week	AbhigyanshakuntalamShasth Ank	Sanskrit Sahitya ka itihas
	Fourth Week	AbhigyanshakuntalamShasthAnk	Sanskrit Sahitya ka itihas
March			
	First Week	Abhigyanshakuntalam Shasth Ank	Revision
	Second Week	Abhigyanshakuntalam ShasthAnk	Alankar
	Third Week	Abhigyanshakuntalam Saptam Ank	Alankar
April			
	First Week	AbhigyanshakuntalamSaptamAnk	Alankar
	Second Week	AbhigyanshakuntalamSaptam Ank	Alankar
	Third Week	AbhigyanshakuntalamSaptamAnk	Alankar

Session 2023-24
Name of Asstt. Professor: Dr. Karuna
Class: BA 4th sem
Paper: Sequence and Series

Date	Particulars	Remarks	
4th Jan.- 6th Jan.	Boundedness of set of real numbers, least upper bound, greatest lower bound, open sets		
8th Jan.- 13th Jan.	nbd., interior points, isolated points, interior of a set		
15th Jan.- 20th Jan.	limit points, closed sets		
22nd Jan. – 27th Jan.	Closure of a set, Bolzano-Weiertraas thm.		
29th Jan. -3rd Feb.	open covers, compact sets and Heine-Borel theorem		
5th Feb. – 10th Feb.	Real Sequence and their convergence, Theorems on limits of sequence		
12th Feb.- 17th Feb.	Bounded and monotonic sequences, Cauchy's sequence, Subsequences and their limits		
19th Feb. – 23rd Feb.	Infinite Series, Convergence and divergence of series, p-series test, G.P. series test		
26th Feb. – 2nd March	Ratio test, Raabe's test, Logarithmic test,		
4th March- 9th March	Cauchy's nth root test, Gauss test, Cauchy's integral test, Cauchy's condensation test		
11th march -16th March	Leibnitz's test, absolute and conditional convergence		
18th March-22nd March	Abel's Lemma, Dirichlet's test, Insertion and removal of parenthesis, re-arrangement of terms in series,		
23rd March-31 March	Holi break		
1st April- 6th April	Multiplication of series		
8th April- 12th April	Revision		
15th April- 20th April	convergence and absolute convergence of infinite products		
22nd April – 27th April	Revision		

Session 2023-24
Name of Asstt. Professor:Dr. Karuna
Class: BA 2nd sem
Paper:Vector Calculus

Date	Particulars	Remarks	
4th Jan.- 6th Jan.	Scalar Triple product, Vector triple product		
8th Jan.- 13th Jan.	Product of four vector, Reciprocal vectors		
15th Jan.- 20th Jan.	Vector Differentiation, Scalar valued point function		
22nd Jan. – 27th Jan.	Vector valued point function, derivative along a curve, directional derivatives		
29th Jan. -3rd Feb.	Gradient of a scalar point function and its geometric interpretation, Divergence of a vector point function and its properties		
5th Feb. – 10th Feb.	Curl of a vector point function and its properties, Laplacian operators		
12th Feb.- 17th Feb.	Orthogonal curvilinear co-ordinates, conditions for orthogonality, fundamental triad of mutually orthogonal unit vectors		
19th Feb. – 23rd Feb.	Gradient, divergence curl and Laplacian operators in terms of orthogonal curvilinear co-ordinates		
26th Feb. – 2nd March	Cylindrical co-ordinates and spherical co-cordinates		
4th March- 9th March	Vector integration, Line integral and their doubt discussion		
11th march -16th March	Surface integral, Volume integral		
18th March-22nd March	Gauss Divergence theorem and its related problems		
23rd March-31 March	Holi Break		
1st April- 6th April	Stokes Theorem and its problems		
8th April- 12th April	Green's Theorem and its problems		
15th April- 20th April	Revision		
22nd April – 27th April	Revision		

LESSON PLAN   2023-2024

International Economics

B.A(pass course)6th Sem

Abita, Assistant Prof(Eco)

Date/Month	Week	T
4Jan-6Jan	Week1	International trade
8Jan-13Jan	Week2	Hecksher Ohlin theory
15Jan-20Jan	Week3	Comparative cost theory
22Jan-27Jan	Week4	Free Vs Protection trade, terms of trade,
29Jan-3Feb	Week5	Exchange control, foreign trade in India 1991
5Feb-10Feb	Week6	Balance of trade and balance of payment
12Feb-17Feb	Week7	Foreign trade multiplier
19Feb-24Feb	Week8	World Bank, IMF
26Feb-2March	Week9	SAARC
4March-9March	Week10	WTO
11March-16March	Week11	Exchange rate determination theory
18March-22March	Week12	Fixed and Flexible exchange rate,ER policy in India
1April-6April	Week13	IMF
8April-13April	Week14	Revision and test
15April-20April	Week15	Revision

LESSON PLAN   2023-2024

Micro Economics

B.A(pass course)2nd Sem

Abita, AssistantProf(Eco)

Date/Month	Week	Topic
4Jan-6Jan	Week1	Perfect competition market
8Jan-13Jan	Week2	Monopoly market
15Jan-20Jan	Week3	monopolistic comp. market
22Jan-27Jan	Week4	Oligopoly market
29Jan-3Feb	Week5	Market failure
5Feb-10Feb	Week6	External effect in market failure
12Feb-17Feb	Week7	Ricardian Theory of Rent
19Feb-24Feb	Week8	Mrs. John Robinson Theory of Rent
26Feb-2March	Week9	Marginal productivity theory
4March-9March	Week10	Classical theory of Interest
11March-16March	Week11	Neo Classical theory
18March-22March	Week12	Liquidity Preference Hypothesis
1April-6April	Week13	Profit theories
8April-13April	Week14	Revision,Test and assignment
15April-20April	Week15	Revision and assignment

LESSON PLAN   2023-2024

Bussiness Economics

B.Com(pass course)2nd Sem

Abita,AssistantProf(Eco)

Date/Month	Week	Topic
4Jan-6Jan	Week1	Perfect competition market
8Jan-13Jan	Week2	Monopoly market
15Jan-20Jan	Week3	monopolistic comp. market
22Jan-27Jan	Week4	Oligopoly market
29Jan-3Feb	Week5	Supply curve of firm and Industry
5Feb-10Feb	Week6	Marginal productivity theory
12Feb-17Feb	Week7	Ricardian Theory of Rent
19Feb-24Feb	Week8	Mrs. John Robinson Theory of Rent
26Feb-2March	Week9	Classical theory of Interest
4March-9March	Week10	Liquidity Preference Hypothesis
11March-16March	Week11	Neo Classical theory
18March-22March	Week12	ISLM Theory
1April-6April	Week13	Profit theories
8April-13April	Week14	Revision,Test and assignment
15April-20April	Week15	Revision and assignment

LESSON PLAN 2023-2024

Macro Economics

B.A(pass course) 4th Sem

Abita,AssistantProf(Eco)

Date/Month	Week	Topic
4Jan-6Jan	Week1	Concept of money in modern economy
8Jan-13Jan	Week2	quantity theory of money
15Jan-20Jan	Week3	liquidity preference
22Jan-27Jan	Week4	money supply and credit creation, monetary policy
29Jan-3Feb	Week5	IS-LM function
5Feb-10Feb	Week6	Trade theory
12Feb-17Feb	Week7	Hicks trade cycle
19Feb-24Feb	Week8	Samuelson theory
26Feb-2March	Week9	Harrod and Domar growth model
4March-9March	Week10	gains from international trade balance of payment, foreign exchange
11March-16March	Week11	principle of maximum social advantage
18March-22March	Week12	effect of public expenditure impact
1April-6April	Week13	incidence of tax practice of a good taxation system
8April-13April	Week14	Revision,Test and assignment
15April-20April	Week15	Revision and assignment

LESSON PLAN 2023-24
(EVEN SEMESTER)

(January 2024 to April 2024)

Name ofn Teacher: - Neeru Yadav
Department: - Mathematics
Sub: - Business. Mathematics
Class: - B.Com(IIth Sem.)

Month	Week (Date)	Particular
January	04 to 06	Matrix
	08 to 13	Matrix
	15 to 20	Determinants
	22 to 27	Determinants
	29 to 31	Inverse of matrix and Simultaneous equations
February	01 to 03	**Compound interest**
	05 to 10	**Compound interest**
	12 to 17	**Compound interest**
	19 to 23	**Annutties**
	26 to 29	**Annutties**
March	01 to 02	**Ratio and proportion**
	04 to 09	**Ratio and proportion**
	11 to 16	**Persentage**
	18 to 22	**profit and loss**
	23 to 31	**Holi Break**
April	01 to 06	Differentation
	08 to 12	Differentation
	15 to 20	Application of Derivates
	22 to 27	Revision

LESSON PLAN 2023-24
(EVEN SEMESTER)

(January 2024 to April 2024)

Name of Teacher: -Neeru
Department: - Mathematics
Sub: - Dynamics
Class: - B.A (, 6thth Sem.)

Month	Week (Date)	Particular
January	04 to 06 08 to 13 15 to 20 22 to 27 29 to 31	Velocity and acceleration along radial, transverse, tangential and normal directions. Relative velocity and acceleration. Simple harmonic motion. Elastic strings.
February	01 to 03 05 to 10 12 to 17 19 to 23 26 to 29	Mass, Momentum and Force. Newton' s laws of motion. Work, Power and Energy. Definitions of Conservative forces and Impulsive forces.
March	01 to 02 04 to 09 11 to 16 18 to 22 23 to 31	Motion on smooth and rough plane curves. Projectile motion of a particle in a plane. Vector angular velocity. **Holi Break**

Month	Week (Date)		Particular
April	01 to 06 08 to 12 15 to 20 22 to 27		General motion of a rigid body. Central Orbits, Kepler laws of m Motion of a particle in three dimensions. Acceleration in terms of di co-ordinate systems.

LESSON PLAN 2023-24
(EVEN SEMESTER)

(January 2024 to April 2024)

Name ofn Teacher: - Neeru   **Department: - Mathematics**
Sub: - Ordinary Differential Equations   **Class: - B.A /B.Sc(2ndSem.)**

Month	Week (Date)	Particular
January	04 to 06 08 to 13 15 to 20 22 to 27 29 to 31	Geometrical meaning of a differential equation. Exact differential equation, integrating factors . First order higher degree equations solvable for x, y, p. Lagrange equations, clairauts equations Equations reducible to clairaut form. Singular solution
February	01 to 03 05 to 10 12 to 17 19 to 23 26 to 29	**Orthogonal trajectories in cartesian coordinates and polar coordinates** **Self orthogonal family of curves** **Linear differential equations with constant coefficient**

			Homogenous linear ordinary differential equations Equation reducible to homogenous
March	01 to 02 04 to 09 11 to 16 18 to 22 23 to 31		**L.D.E of second order. Reduction to normal form. Transformation of equation by changing depending variable /independent t variable Solution by operators of non homogenous L.D.E Reduction of order of a differential equation, variation of parameters. Undetermined coefficient Holi Break**
April	01 to 06 08 to 12 15 to 20 22 to 27		Ordinary simultaneous Differential equations Total differential equations Short answer question Revision

(January 2024 to April 2024)

Name ofn Teacher: - Neeru
Department: - mathematics
Sub: - Linear algebra   Class: - B.A (6th Sem.)

Month	Week (Date)	Particular
January	04 to 06 08 to 13 15 to 20 22 to 27 29 to 31	Vector spaces, subspaces, Sum and Direct sum of subspaces, Linear span, Linearly Independent and dependent subsets of a vector space. Finitely generated vector space, Existence theorem for basis of a finitely generated vactor space, Finite dimensional vector spaces, Invariance of the number of elements of bases sets, Dimensions, Quotient space and its dimension.
February	01 to 03 05 to 10 12 to 17 19 to 23 26 to 29	Homomorphism and isomorphism of vector spaces, Linear transformations and linear forms on vactor spaces, Vactor space of all the linear transformations Dual Spaces, Bidual spaces, annihilator of subspaces of finite dimentional vactor spaces, Null Space, Range space of a linear transformation, Rank and Nullity Theorem,
March	01 to 02 04 to 09 11 to 16 18 to 22 23 to 31	Algebra of Liner Transformation, Minimal Polynomial of a linear transformation, Singular and non-singular linear transformations, Matrix of a linear Transformation, Change of basis, Eigen values and Eigen vectors of linear transformation Holi Break

April	01 to 06 08 to 12 15 to 20 22 to 27	. Inner product spaces, Cauchy-Schwarz inequality, Orthogonal vectors, Orthogonal complements, Orthogonal sets and Basis, Bessel's inequality for finite dimensional vector spaces, Gram-Schmidt, Orthogonalization process, Adjoint of a linear transformation and its properties, Unitary linear transformations.

LESSON PLAN 2023-24
(EVEN SEMESTER)

(January 2024 to April 2024)

Name ofn Teacher: - Neeru Yadav   Department: - Mathematics
Sub: - Programming in C and Numerical Method

Class: - B.A /B.Sc(IV th Sem.)

Month	Week (Date)	Particular
January	04 to 06 08 to 13 15 to 20 22 to 27 29 to 31	Solution of Algebraic and Transcendental equations: Bisection method, Regula-Falsi method, Secant method , Newton-Raphsons method. Newtons iterative method for finding pth root of a number Order of convergence of above methods.
February	01 to 03 05 to 10 12 to 17 19 to 23 26 to 29	**Simultaneous linear algebraic equations:** **Gauss-elimination method, Gauss-Jordan** **method, Triangularization method** **(LU decom** **position method). Crouts method,** **Cholesky Decomposition method.** **Iterative method, Jacobis method,** **Gauss-Seidals method, Relaxation method.**
March	01 to 02 04 to 09 11 to 16 18 to 22 23 to 31	**Programmers model of a computer,** **Algorithms,** **Flow charts, Data types,** **Operators and expressions** **, Input / outputs functions..** **Holi Break**
April	01 to 06 08 to 12 15 to 20 22 to 27	Decisions control structure: Decision statements, Logical and conditional statements, Implementation of Loops, Switch Statement & Case control structures. Functions, Preprocessors and Arrays. Discussion

LESSON PLAN 2023-24 (EVEN SEMESTER)

(January 2024 to April 2024)

Name of Teacher: - Sapna Yadav

Department: - Geography

Sub: - Human Geography

Class: - B.A (IV th Sem.)

Month	Week (Date)	Particular
January	04 to 06	Define human geography ,nature , scope and its branches.
		Approches to the study of Human Geography , Define Race
	08 to 13	Evaluation and development of Human Races, criteria of Racial classification, classification and distribution of human races in India, concept of men- environment relationship : Environmenta Determinism, Possibilism and Neo-determinism.
	15 to 20	
	22 to 27	**H**uman adaptation to the environment**:** 1 cold region Eskimos- Habitat, geographical environm and their adaptation to the environment
	29 to 31	
February	01 to 03	. 2. Hot region – Bushman their habits, geographical environment and how to adapt the environment according to them,
	05 to 10	3. Plateau- Gods habits and their relationship to the environment.
	12 to 17	4. Mountains – Gujjars their adaptation to the environment.
	19 to 23	Distribution and density of world population, population growth, Demographic Transition mod
	26 to 29	Concept of over, under and optimum population; Population theories: Malthus, Ricardo and M

March	01 to 02	Rural settlements: Meaning, classification and types.
	04 to 09	Urban settlements: Origin, classification and functions of towns, Problems of urbanization in In
	11 to 16	Population pressure, distribution, growth and development.
	18 to 22	How to use and conserve the resources, environment degradation.
	23 to 31	**Holi Brake**
April	01 to 06	Define sustainable development, concept of deforestation, soil erosion.
	08 to 12	Air and water pollution, suggestion how to control pollution.
	15 to 20	Revision, Test and Assignment
	22 to 27	Revision and clear all doubts related to the topic.