

Class: XII-A

Month: April

English	Mathematics	Psychology	
Flamingo : Ch- Last lesson Poem- My Mother at Sixty-Six Vistas The Third Level Activity - “Memories and Longing”- Creative Writing	Relations and Functions Draw graphs of different types of functions (one-one, onto, many-one) Activity to verify composition of functions Identify domain and range from real-life examples	Ch- 1 Variations in Psychological Attributes Practical -1 Non- Verbal Intelligence Test	
Legal	Physics	AI	PAT
Unit 1: Judiciary Activity: Mock Courtroom Simulation Students enact roles (judge, lawyer, accused) to understand court structure & procedure.	- To determine resistivity of two / three wires by plotting a graph for potential difference versus current. - To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using a multimeter.	Unit 1: a) Handling missing values b) to implement linear regression algorithm	UNIT 1: OVERVIEW OF PHYSICAL EDUCATION AND SPORTS SECTOR Activity:- 1.List the skills required for teaching physical education 2.Discussion on various occupations in physical education and sports
Medical Diagnostic	Chemistry	DTI	Sculpture
Activity : Collection of blood by venepuncture Method 2. Preparations of Blood smear	- Preparation of Standard solutions. - Determination of molarity by using standard solution.	- Abstraction and Form Giving - Elements of Nature	2D Clay panels showing Shadang principles
Data Science	Biology	Electronics	Commercial Arts
Discuss how data governance and data best practices are followed at your school	1. Prepare a temporary mount to observe pollen germination 2. Flowers adaption to pollination by different agencies (wind, insects, and birds). 3. Pollen germination on stigma through a permanent slide or scanning electron micrograph. 4. Controlled pollination - emasculation, tagging and bagging.	Computer network essentials	Miniature Painting

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Month: May

English	Mathematics	Psychology	
Flamingo : Ch- Lost Spring Ch- Deep Water Poem- Keeping Quiet Writing Skills *Notice Writing Activity- “Fear and Courage” Role Play	Inverse Trigonometric Functions Plot graphs of inverse trigonometric functions Verify identities using values and graphs Study principal value branches	Ch. 2 – Self and Personality Practical – 2 Maudsley Personality Inventory Case – Study	
Legal	Physics	AI	PAT
Unit 2: ADR Activity: Mediation Role Play Students resolve disputes (family/property) using mediation techniques.	- To find resistance of a given wire / standard resistor using metre bridge. - To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.	Unit 2 : a) Data Understanding b) K- Fold Cross validation c) Calculate MSE and RMSE	UNIT 1: OVERVIEW OF PHYSICAL EDUCATION AND SPORTS SECTOR Activity:-.Demonstrate the knowledge of difference between physical activities, games, sports and recreation for different age groups
Medical Diagnostic	Chemistry	DTI	Sculpture
1. Staining of Blood Smear by using Leishman’s stain 2.Blood cell counting(R.B.C, W.B.C, Platelets Reticulocytes and Absolute Eosinophil)	- To detect the presence of cation and anion in the given sample of salt. - Titration of Mohr’s salt against KMnO₄.	- Observation and Documentation of Personal Space - Redesign of Personal Space	3D clay models of elements (line, form, texture)
Data Science	Biology	Electronics	Commercial Arts
Using the iris dataset provided in R Studio, perform a univariate analysis by creating scatter plots of sepal length, sepal width, petal length, and petal width.	1.Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 2. Meiosis in onion bud cell or grasshopper testis through permanent slides. 3. T.S. of blastula through permanent slides (Mammalian).	Computer network essentials	Madhubani Painting

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Month: June

English	Mathematics	Psychology	
SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	
Legal	Physics	AI	PAT
SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK
Medical Diagnostic	Chemistry	DTI	Scripture
SUMMER BREAK	SUMMER BREAK	Summer Break	SUMMER BREAK
Data Science	Biology	Electronics	Commercial Arts
SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK

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Month: July

English	Mathematics	Psychology	
Vistas : Ch- The Tiger King Ch- Journey to The End of The Earth Flamingo Ch- The Rattrap Writing Skills *Editorial Letter *Job Application Activity- " Humanity's Impact" Group Discussion	Matrices Perform addition, multiplication using real data Activity: message coding/decoding using matrices Verify properties like associative and distributive	Ch. 4 - Psychological Disorders Practical – 3 Adjustment Inventory for School Students	
Legal	Physics	AI	PAT
Unit 3 (A): Law of Contract ♦ Activity: Contract Drafting Students create agreements (rent/sale).	- To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. - To study the variation in potential drop with length of a wire for a steady current.	Unit 3 : Converting an image to greyscale image	UNIT 2: ASSESSMENT OF STUDENTS Activity:- 1.Draw a chart showing the steps of qualitative assessment 2.Group discussion on qualitative and quantitative assessment
Medical Diagnostic	Chemistry	DTI	Sculpture
1. Preparation of charts based on the materials and equipment needed for blood bank. 2. Determination of Blood group in given sample.	- Salt analysis for Ammonium oxalate. - Salt analysis for Lead acetate.	- Primary Research of Social Space - Design Solution for Social Space	Timeline using small clay sculptures
Data Science	Biology	Electronics	Commercial Arts
In this exercise, we will use R Studio to generate a Decision Tree model to classify the famous iris dataset.	Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause. Models specimens showing symbiotic association in lichens, root nodules of leguminous plants, and parasitic mode of nutrition shown by Cuscuta on host	Installation and configuration of windows server	Warli Painting

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Month: August

English	Mathematics	Psychology	
Flamingo : Poem- A Thing of Beauty Ch- Indigo Vistas Ch- The Enemy Writing Skills *Invitations (Formal/Informal) *Replies (Formal/Informal) *Article Writing *Report Writing Activity ” Power Dynamics” Debate	Continuity and Differentiability - Check continuity of functions graphically - Activity on differentiability at a point - Use examples of real-life smooth curves	Ch. 4 – Psychological Disorder Practical – 4 Multiple Anxiety Inventory	
Legal	Physics	AI	PAT
Unit 3 (B, C, D): Torts + Property Activity: Trademark Creation Design logo + explain legal protection.	To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.	Unit 4 : a) Flower image classification using orange data mining b) NLP with Orange data mining Unit 5 : Find the sources of big data using link UNSTATS	UNIT 3: EMERGENCY MANAGEMENT Activity:- 1.Group discussion on emergency response 2.Preparation of a plan for emergency response 3.Create a poster showing the steps of CPR
Medical Diagnostic	Chemistry	DTI	Sculpture
Session: Understanding the concepts of using cytopsin for CSF.	- Colligative Properties. - Electrochemical cell - Electrolytic cell	- Observation and Analysis of Public Space - Design Intervention for Public Space	Small-scale relief sculpture
Data Science	Biology	Electronics	Commercial Arts
c.	- Prepare a temporary mount of onion root tip to study mitosis. - Isolate DNA from available plant material such as spinach, green pea seeds, papaya, banana etc	installation and configuration of Linux server	Music Poster

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Month: September

English	Mathematics	Psychology	
HALF YEARLY EXAM Flamingo Ch- Poets and Pancakes Poem- Aunt Jennifer's Tigers Activity- "Symbolism of Art" Panel Discussion	HALF YEARLY EXAM	Half Yearly Exam Case study	
Legal	Physics	AI	PAT
HALF YEARLY EXAM Unit 4: General Laws Activity: Business Entity Presentation Groups present types (LLP, Company, etc.). Activity: Environmental Law Case Study Discuss pollution cases and legal solutions.	• HALF YEARLY EXAM • To find the value of v for different values of u in case of a concave mirror and to find the focal length. • To find the focal length of a convex mirror, using a convex lens.	HALF YEARLY EXAM Unit 6 :Convert from Celsius to Fahrenheit using neural network Unit 7 : Creating a customized chatbot using Gemini API	HALF YEARLY EXAM UNIT 3: EMERGENCY MANAGEMENT Activity:-1..Group discussion on importance of first responder 2.Demonstration of first aid procedures. 3.Preparation of an emergency plan
Medical Diagnostic	Chemistry	DTI	Scépture
1. Determination of Blood group in given sample. HALF YEARLY EXAM	• HALF YEARLY EXAM • Salt analysis for Aluminium sulphate. • Salt analysis for Ferrous sulphide.	• HALF YEARLY EXAM • Primary Research and User Study • Information Analysis and Mapping	HALF YEARLY EXAM Folk theme clay sculpture
Data Science	Biology	Electronics	Commercial Arts
HALF YEARLY EXAM Capstone project 1	1. HALF YEARLY EXAM 2. Flash cards / models showing examples of homologous and analogous organs.	HALF YEARLY EXAM	HALF YEARLY EXAM Traditional Indian Art

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Month: October

English	Mathematics	Psychology	
Flamingo Ch- The Interview Ch- Going Places Poem- Roadside Stand Vistas Ch- On the Face of it Ch- Memories of Childhood Activity- “Perceptions Vs Reality” Debate	Integrals Evaluate definite integrals geometrically (area under curve) Verify fundamental theorem of calculus Activity on properties of definite integrals	Practical – 5 Career Preference Record	
Legal	Physics	AI	PAT
Unit 5 + Unit 6 (Completion Month) Activity: Human Rights Skit Show violation & protection of rights. Activity: Human Rights Survey Collect awareness data from community	- To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation. - To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.	Unit 8 : The Plastic Menace – A Data Story	Topic:- UNIT 4: HEALTH AND HYGIENE IN PLAY AREA Activity:- 1. Prepare chart on general hygiene and sanitation rules
Medical Diagnostic	Chemistry	DTI	Sculpture
1. Description about PAP staining and Haematoxylin and Eosin stain in their file. 2. The students will prepare chart or flash card of technique of FNAC.	Functional Group test for Alcohols, Phenols, Aldehydes.	- Ideation and Creative Alternatives - Shortlisting and Concept Development	Nature-based clay sculpture
Data Science	Biology	Electronics	Commercial Arts
Capstone project 2	1. Mendelian inheritance using seeds of different colour/sizes of any plant 2. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.	IT security Fundamentals	Cultural Poster

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Month: November

English	Mathematics	Psychology	
REVISION (FULL SYLLABUS)	REVISION (FULL SYLLABUS)	REVISION (FULL SYLLABUS)	
Legal	Physics	AI	PAT
REVISION (FULL SYLLABUS)	- To study effect of intensity of light (by varying distance of the source) on an LDR. - To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.	REVISION (FULL SYLLABUS)	REVISION (FULL SYLLABUS)
Medical Diagnostic	Chemistry	DTI	Sculpture
REVISION	- Bromination of Alkenes - Lucas Test	- Mock-up and Prototyping - User Feedback and Iteration	Abstract clay sculpture
Data Science	Biology	Electronics	Commercial Arts
Capstone project 2	- Study the plant population density by quadrat method. - Study the plant population frequency by quadrat method	Basics of ITIL V3	REVISION (FULL SYLLABUS)

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Month: December

English	Mathematics	Psychology	
REVISION (FULL SYLLABUS)	REVISION (FULL SYLLABUS)	Revision	
Legal	Physics	AI	PAT
REVISION (FULL SYLLABUS)	Revision of practical Analysis Preboard 2	REVISION (FULL SYLLABUS)	Revision of practical Analysis Preboard 2
Medical Diagnostic	Chemistry	DTI	Scripture
REVISION	- Iodoform Test, Fehling's Test, Tollens Test. - Azo Dye test.	PREBOARD –1 & 2	PREBOARD –1 & 2
Data Science	Biology	Electronics	Commercial Arts
Revision for practical	Revision of practical Analysis Preboard 2	Revision of practical Analysis Preboard 2	PREBOARD –1 & 2

Class: XII-A

Month: January

English	Mathematics	Psychology	
REVISION & Board Practical Preparation	REVISION & Board Practical Preparation	Board Practical Preparation	
Legal	Physics	AI	PAT
REVISION & Board Practical Preparation	Revision of practical Analysis Preboard 2	REVISION & Board Practical Preparation	Revision of practical Analysis Preboard 2
Medical Diagnostic	Chemistry	DTI	Scripture
Revision of practical Analysis Preboard 2	Revision of practical Analysis Preboard 2	REVISION & Board Practical Preparation	Revision of practical Analysis Preboard 2
Data Science	Biology	Electronics	Commercial Arts
Revision for practical	Revision of practical Analysis Preboard 2	Revision of practical Analysis Preboard 2	REVISION & Board Practical Preparation

Class: XII-A

Month: February

English	Mathematics	Psychology	
Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations	
Legal	Physics	AI	PAT
Board Practical &Examinations Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations
Medical Diagnostic	Chemistry	DTI	Scenpture
Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations
Data Science	Biology	Electronics	Commercial Arts
Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations	Board Practical &Examinations

Class: XII-A

Month: March

English	Mathematics	Psychology	
Board Examinations	Board Examinations	Board Examinations	
Legal	Physics	AI	PAT
Board Examinations	Board Examinations	Board Examinations	Board Examinations
Medical Diagnostic	Chemistry	DTI	Sculpture
Board Examinations	Board Examinations	Board Examinations	Board Examinations
Data Science	Biology	Electronics	Commercial Arts
Board Examinations	Board Examinations	Board Examinations	Board Examinations