

Circular for Parents of Class XII Session 2020-21

SIS/OPS - JAN 003/2021
January 03, 2021

Subject: Schedule effective January 04, 2021

Dear Parent
Namaste

Kindly be informed that the teaching schedule is being revised effective January 04, 2021.

The details are as follows:

- Timing :8.00 am - 1.00 pm
- No. of periods :05
- Duration of each period :50 minutes
- Break in between periods :10 minutes
- Short Break (after 2nd period) :20 minutes

The classes for Class XII will be conducted in school only on Mondays and Tuesdays for which the detailed transaction plan is attached herewith. On other days online classes will be conducted as scheduled.

The revised Timetable has been uploaded on the school website - please refer to the same.

Kindly ensure that your ward attends the classes regularly.

Kind regards

Dr. Lalita Singh
Principal

Transaction Details for Class XII (Off line classes only) - January 2021 (Week I)

Subject	Days	Topic to be Taught	Teaching Strategy
English	Monday	My Mother at Sixty Six (poem)	Theme of the poem, Line wise explanation, literary devices and RTCs
	Tuesday	An Elementary School Classroom in a Slum	Theme of the poem, line wise explanation, literary devices and RTCs
Physics	Monday	Semiconductor Electronics: Materials, Devices and Simple Circuits	(i) Theory Explanation of Semiconductor Materials (ii) Illustration with diagrams (iii) Demo of devices and working of apparatus (iv) Verification of theory by experiment (v) Doubt clearing on the practical file
	Tuesday	Semiconductor Electronics: Materials, Devices and Simple Circuits	(i) Theory of intrinsic and extrinsic semiconductor material. (ii) Idea development about the conductivity of extrinsic semiconductor. (iii) PN junction and its conductivity ; barrier field, diffusion current, drift current. (iv) Demonstration of PN junction (v) Activity on PN junction. (v) Doubt clearing on the practical file.
Chemistry	Monday	Aldehydes and Ketones	(i) Concept of Nucleophilic Addition reactions (ii) Reactivity concept of aromatic & aliphatic aldehydes and Ketones (iii) Aldol Condensation (iv) Practice of questions
	Tuesday	Aldehydes and Ketones	(v) Functional group tests- Fehling Test, Tollens test, 2,4 DNP test, m-Dinitro benzene test- In lab
Mathematics	Monday	3-Dimensional Geometry- Straight Lines and Planes	(i) Explaining through the method visualisation
	Tuesday	3-Dimensional Geometry- Straight Lines and Planes	(ii) Use 3-D Tools
Biology	Monday	Sexual Reproduction in Flowering Plants	(i) Theory of development of male and female gametophytes (ii) Demonstration of pollination and its types, agencies and outbreeding devices.
	Tuesday	Sexual Reproduction in Flowering Plants	(iii) Activity on pollen-pistil interaction (iv) Illustrations with diagrams
Accountancy	Monday	Part B :Chapter 4 Accounting Ratios and Cash Flow Statement	Unsolved Questions from work sheet and Book will be done in class and associated project work will be undertaken
	Tuesday	Part B :Chapter 4 Accounting Ratios and Cash Flow Statement	Unsolved Questions from work sheet and Book will be done in class and associated project work will be undertaken
B.Studies	Monday	Marketing and Principles of Management	Guidance for project work, Viva questions and theory concepts related to the said chapters
	Tuesday	Stock Exchange and Business Environment	Guidance for project work, Viva questions and theory concepts related to the said chapters
Economics	Monday	Macro Economics: National Income accounting and related aggregates	(i) Explanation of topic. (ii) Application based questions (both theoretical and numericals)
	Tuesday	Macro Economics: National Income accounting and related aggregates	(iii) Assertion and reasoning questions will be discussed.
History	Monday	Theme1-Topic of Piecing together the past & Theme3 Kinship, Caste and Class	(i) A social contract (ii) Handling texts (iii) Theory of B.B.Lal with value points and illustrations

	Tuesday	Theme4 -Thinkers,Beliefs and Buildings	(i)With special emphasis on SuttaPitaka and Stupas (ii) Map work
Political Science	Monday	Chapter2- The End of Bipolarity	(i)Added material (ii) Shock Therapy with detailed revision
	Tuesday	Chapter4 New centres of Power	With special reference to Russia,India and Israel
Entrepreneurship	Monday	Business Plan & Market Survey Project Work- guidance as per external exam, and Viva practice	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions
	Tuesday	Revision of Core concepts of Unit 3 : Enterprise Marketing	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions
Psychology	Monday	Chapter-04 Psychological disorders	Detailed revision of classification of psychological disorders and practice of questions based on the topic
	Tuesday	Chapter-04 Psychological disorders	Practice of 1 mark questions and case based questions of said chapter.
Computer Science	Monday	Revision: 1. User defined Functions 2. FAQ based on user defined functions	(i) Explanation of topic (ii) Demonstration by programming (iii) Solving practice question based on topic (iv) Solving FAQ from previous year question papers
	Tuesday	Practical Exam: 1. Lab work on projects 2. Completion of Lab records	(i) Guidance related to project (ii) Working and implimentation of project (iii) Logical problems related to project
I.P.	Monday	Project Work + Doubt Clarification / Revision	(i) Checking the status of the project work done by students till date and further guide them to complete the work in the required form (ii) Detailed explanation of the Topic of Doubts and associated programming practical conectps and problems
	Tuesday	Practical File Work + Doubt Clarification / Revision	(i) Checking the status of the practical file work done by students till date and further guide them to complete the work in the required form (ii) Detailed explanation of the Topic of Doubts and associated programming practical conectps and problems
Legal Studies	Monday	Unit 3- Arbitration,Tribunal Adjudication and Alternative Dispute Resolution(Session 1)	Case Studies,Practice of questions asked in previous board papers and doubt clarification
	Tuesday	Unit 3- Arbitration,Tribunal Adjudication and Alternative Dispute Resolution(Session 2)+ Practical File Status	
Physical Education	Monday	Chapter - 5 Children & women in sports.	Revision : Common Postural deformities : Spine, Shoulder : Concept, Causes and Corrective Measures.
	Tuesday	Chapter - 5 Children & women in sports.	Revision : Common Postural deformities : Leg, Foot : Concept, Causes and Corrective Measures
Hindi	Monday	कार्यालयी हिन्दी और रचनात्मक लेखन	रचनात्मक लेखन ,पत्र लेखन पर चर्चा कर पुनरावृत्ति द्वारा उससे सम्बंधित प्रश्नों का अभ्यास करवाना
	Tuesday	पाठ्यपुस्तक (गद्य एवं पद्य भाग)	गद्य पाठ भक्तिन तथा बाज़ार दर्शन पर आधारित बहुविकल्पीय प्रश्नों की चर्चा ,पुनरावृत्ति कर विविध उदाहरणों द्वारा अभ्यास करवाना
	Monday	Practical work for illustration/Revision -Theory.	Discussions on different techniques. How to explore all the possible mediums during the final exam.Detailid discussion on time managment for the final prectical exams .

Commercial Arts	Tuesday	Practical work for poster and doubt clarification .	Checking all the portfolio: with 9 to 10 articles on paper size half imperial. Drawing book: with 0.1,0.2,0.3 Perspective drawing, and lay outs done by the students during the practice time.
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Transaction Details for Class XII (Off line classes only) - January 2021 (Week II)

Subject	Days	Topic to be Taught	Teaching Strategy
English	Monday	Keeping Quiet	Theme, explanation, literary devices, RTCs and questions
	Tuesday	A Thing of Beauty	Theme, explanation, literary devices, RTCs and questions
Physics	Monday	Semiconductor material and devices	(i) Theory description on working of diode in forward and reverse biased mode (ii) Practical on diode; To study the characteristics of voltage versus current for a diode (iii) Practical note book evaluation
	Tuesday	Semiconductor material and devices	(i) Theory description on half wave rectifier (ii) Theory description on full wave rectifier (iii) Practical note book evaluation
Chemistry	Monday	Amines	(i) Detailed explanation of Basic property of Amines (ii) Comparison of pKb of different amino compounds (iii) Differentiate between primary and secondary amine - HNO ₂ test
	Tuesday	Amines	(i) Lab test of Amines- Azo dye test, Carbylamine test (ii) Lab test of Carboxylic Acid- NaHCO ₃ test,
Mathematics	Monday	Indefinite Integrals	(i) Detailed Discussion of different types of Integrartion
	Tuesday	Indefinite Integrals	(ii) Practice of previous Years questions
Biology	Monday	Human Reproduction	i) Theory and discussion on identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). ii) Detailed explanation of the theory and preparation of temporary mount of onion root tip to study mitosis.
	Tuesday	Human Reproduction	iii) Meiosis in onion bud cell or grasshopper testis through permanent slides. iv) T.S. of blastula through permanent slides (Mammalian). v) Practical note book and project work evaluation
Accountancy	Monday	Part B :Chapter 4 Accounting Ratios and Cash Flow Statement	Unsolved Questions from work sheet and Book will be done in class and associated project work will be undertaken
	Tuesday	Part B :Chapter 4 Accounting Ratios and Cash Flow Statement	Unsolved Questions from work sheet and Book will be done in class and associated project work will be undertaken
B.Studies	Monday	Financial management	Important topics like capital structure, trading on equity to be explained and questions related to them to be done
	Tuesday	Financial management	Financial Planning, financial decisions, fixed and working capital to be explained and related questions to be done
Economics	Monday	Determination of Income and Employment	(i) Explanation of topic (ii) Application based questions (both theoretical and numericals)
	Tuesday	Determination of Income and Employment	(iii) Assertion and reasoning questions will be discussed (iv) Sample Questions will be discussed
History	Monday	Theme 5 Bhakti and Sufi	(i) Characteristics of Islam (ii) Features of Khanqasand Silsila
	Tuesday	Theme 5 Bhakti and Sufi	Value points, features and revision of Bhakti poets
Political Science	Monday	Chapter3-New centres of Power	Catoons and project on ASEAN and EU
	Tuesday	Chapter4-S.Asia & the Contemporary World	Relations with Nepal ,Bhutan, Pakistan, Srilanka with value points and discussion.
Entrepreneurshin	Monday	Revision of Core concepts of Unit 3 : Enterprise Marketing	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions

Entrepreneurship	Tuesday	Revision of Core concepts of Unit 2: Entrepreneurial Planning	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions
Psychology	Monday	Chapter -01 Variations in psychological attributes	Psychomartic approach and information processing approach
	Tuesday	Chapter -01 Variations in psychological attributes	Aptitude, Creativity and emotional intelligence and practice of questions.
Computer Science	Monday	Revision: 1. File handling (CSV, Binary) 2. FAQ based on file handling	(i) Explanation of topic (ii) Demonstration by programming (iii) Solving practice question based on topic (iv) Solving FAQ from previous year question papers
	Tuesday	Practical exam: 1. Lab work on project 2. Checking of lab records	(i) Guidance related to project (ii) Working and implimentation of project (iii) Logical problems related to project
I.P.	Monday	# Checking Project Work Status # Checking Practical File Work Status	(i) Guidance for Project and Practical File as per individual's need (ii) Disussion of Important questions and practical problems related to Chapter 3
	Tuesday	# Chapter 3 - Plotting with PyPlot, Doubt Clarification and Revision	(iii) Detailed explanation of the Topic of Doubts and associated programming practical conectps and problems
Legal Studies	Monday	Unit 5- Legal Profession in India (Session 1)	Revision of the topic, Previous board exam questions practice
	Tuesday	Unit 5- Legal Profession in India (Session 2)	Revision of the topic, Previous board exam questions practice
Physical Education	Monday	Ch. 10 Training in Sports	Methods of Improving Strength, and Endurance
	Tuesday	Ch. 10 Training in Sports	Methods of Improving Speed and Flexibility
Hindi	Monday	रचनात्मक लेखन एवं कार्यालयी हिन्दी	कहानी, नाटक, कविता की रचना प्रक्रिया पर आधारित प्रश्नों पर चर्चा एवं अभ्यास द्वारा पुनरावृत्ति करवाना
	Tuesday	पाठ्यपुस्तक पद्य भाग	पाठ एक गीत ,कविता के बहाने ,कैमरे में बंद अपाहिज के प्रश्नों पर ,व्याख्या पर चर्चा तथा अभ्यास द्वारा पुनरावृत्ति करवाना
Commercial Art	Monday	Practicals- Illustration	(i) 5 Ways to improve Drawing Figures for Illustration (ii) Figure Drawing Practice to Improve Your Mental Focus.
	Tuesday	Practicals- Poster	How to create a poster with most important message emphasized by size, color, or value.

Transaction Details for Class XII (Off line classes only) - January 2021 (Week III)

Subject	Days	Topic to be Taught	Teaching Strategy
English	Monday	Aunt Jennifer's Tiger	Theme, explanation, literary devices, RTCs and questions
	Tuesday	Should Wizard Hit Mommy?	Theme, explanation, important questions
Physics	Monday	Semiconductor material and devices	(i) Special purpose pn junction diodes: LED, photodiode, solar cell (ii) Activity on photodiode and multimeter (iii) Practical note book evaluation
	Tuesday	Magnetic effect of current, Emi and AC	(i) Revision of theory (ii) Exercise of NCERT (iii) Practical note book evaluation
Chemistry	Monday	Electrochemistry + Redox titration	(i) Numerical practice on Nernst Expression (ii) Concept of Conductivity and Kohlaurch Law and questions based on them. (iii) Titration of KMnO ₄ vs Mohr's salt
	Tuesday	Electrochemistry + Redox titration	(iii) Titration of KMnO ₄ vs Mohr's salt
Mathematics	Monday	Application of Differentiation	(i) Practice of previous years question
	Tuesday	Application of Differentiation	(ii) Questions of NCERT Exemplar
Biology	Monday	Principles of inheritance and variations	(i) Theory and concepts based on inheritance. (ii) Analysing the Explanation of prepared pedigree charts of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
	Tuesday	Principles of inheritance and variations	(iii) Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. (iv) Practical note book and project work evaluation.
Accountancy	Monday	Company Accounts - Issue of shares and Debentures	Important questions from book and work sheet
	Tuesday	Company Accounts - Issue of shares and Debentures	Important questions from book and work sheet
B.Studies	Monday	Marketing	explanation of philosophies, core concept and functions of marketing along with previous year board questions.
	Tuesday	Marketing	explanation of marketing mix and its elements in detail and solving questions of previous year board examination papers
Economics	Monday	Foreign Exchange rate and Balance of Payment	(i) Revision of topic. (ii) Application based questions (both theoretical and numericals)
	Tuesday	Money and Banking	(iii) Assertion and reasoning questions will be discussed. (iv) Sample Questions will be discussed
History	Monday	Theme 9 Kings and Chronicles	Detailed transaction of the entire theme
	Tuesday	Theme 9 Kings and Chronicles	and project
Political Science	Monday	chapter 5 UN and its organisations	Reference material and Reforms
	Tuesday	Chapter 11-India's Foreign Policy	(i) Principles of foreign policy (ii) Nuclear Policy
Entrepreneurship	Monday	Revision of Core concepts of Unit 2: Entrepreneurial Planning	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions
	Tuesday	Revision of Core concepts of Unit 1: Entrepreneurial Opportunity	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions

Psychology	Monday	Chapter-05 Therapeutic Approaches	Detailed revision and doubt clarification
	Tuesday	Chapter-05 Therapeutic Approaches	Solving practice sheet
Computer Science	Monday	Revision: 1. Python to database connectivity 2. FAQ based on database connectivity	(i) Explanation of topic (ii) Demonstration by programming (iii) Solving practice question based on topic (iv) Solving FAQ from previous year question papers
	Tuesday	Practical Exam: 1. Lab work on projects 2. Completion of Lab records	(i) Guidance related to project (ii) Working and implementation of project (iii) Logical problems related to project
I.P.	Monday	# Checking Project Work Status # Checking Practical File Work Status	(i) Guidance for Project and Practical File as per individual's need (ii) Discussion of Important questions and practical problems related to Chapter 4
	Tuesday	# Chapter 4 - Importing/Exporting Data between CSV Files and Pandas, Doubt Clarification and Revision	(iii) Detailed explanation of the Topic of Doubts and associated programming practical concepts and problems
Legal Studies	Monday	Unit 6- Legal Services(Session 1)	Revision of the chapter, Practice of previous year board questions
	Tuesday	Unit 6- Legal Services(Session 2)	Revision of the chapter, Practice of previous year board questions
Physical Education	Monday	Ch. 7 : Physiology and Injuries in sports	Physiological Factors Determining Strength, Speed, Endurance and Flexibility Component of Physical Fitness.
	Tuesday	Ch. 7 : Physiology and Injuries in sports	Sports Injuries : Soft and Hard Tissue : Causes, Prevention and Treatment.
Hindi	Monday	कार्यालयी हिन्दी और रचनात्मक लेखन	समाचार लेखन , फीचर लेखन, आलेख पर चर्चा तथा अभ्यास द्वारा पुनरावृत्ति
	Tuesday	पाठ्य पुस्तक गद्य पाठ	काले मेघा पानी दे , पहलवान की ढोलक , नमक पाठो पर विस्तृत चर्चा एवं अभ्यास द्वारा पुनरावृत्ति करवाना
Commercial Art	Monday	Practicals- Illustration	(i) How to use basic volumes of the figure using spheres, boxes, cylinders, and mannequin for figure drawing (ii) Step by step Human Figure Drawing Proportions 7-and-a-half heads tall (including the head)
	Tuesday	Practicals- Poster	(i) How to include all important information in your poster (ii) How to create simple and clear layout.

Transaction Details for Class XII (Off line classes only) - January 2021 (Week IV)

Subject	Days	Topic to be Taught	Teaching Strategy
English	Monday	Evans tries an O level	Theme, explanation, RTCs and questions
	Tuesday	On the face of it	Theme, explanation, RTCs and questions
Physics	Monday	Magnetic effect of current, Emi and AC	(i)Revision of theory (ii) NCERT exercise and previous year questions on the taught theory (iii) Practical note book evaluation
	Tuesday	Magnetic effect of current, Emi and AC	(i)Revision of theory (ii) NCERT exercise and previous year questions on the taught theory (iii) Practical note book evaluation.
Chemistry	Monday	Biomolecules + Test for carbohydrates and proteins	(i) Revision of Carbohydrates and test for it in lab (ii) Revision of Protein and test for it in lab (iii) Practice of questions
	Tuesday		
Mathematics	Monday	Application of Integration	(i) Practice of previous years question
	Tuesday	Application of Integration	(ii) Questions of NCERT Exemplar
Biology	Monday	Molecular basis of inheritance	(i) Revision of concepts based on replication,transcription and translation (ii) Collect and study soil from at least two different sites and study them for texture, moisture content, pH and water holding capacity. Correlate with the kinds of plants found in them.
	Tuesday	Molecular basis of inheritance	(iii)Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organism. (iv)Practical note book and project work evaluation.
Accountancy	Monday	Company Accounts - Issue of shares and Debentures	Important questions from book and work sheet
	Tuesday	Company Accounts - Issue of shares and Debentures	Important questions from book and work sheet
B.Studies	Monday	Financial Market	Functions,Money Market, Capital Market and basic concepts-explanation and related questions to be solved
	Tuesday	Financial Market	Trading procedure,DP,Depository,working of demat system and SEBI- explanation and related questions to be done
Economics	Monday	Development Experience (1947 - 90) and Economic Reforms since 1991	(i) Revision of topic. (ii) Application based questions (iii) Assertion and reasoning questions will be discussed. (iv) Sample Questions will be discussed
	Tuesday		
History	Monday	Theme10 Colonialism&Countryside	Special focus on Santhals and Paharias
	Tuesday	Theme11 Rebels and the Raj	(i) Map work (ii) Nawabs and Taluqdars of Awadh (iii) Images

Political Science	Monday	Chapter11 Democratic Resurgence	(i) All the topics of emergency (ii) Leaders
	Tuesday	Chapter11 Democratic Resurgence	(iii) cartoons and project work
Entrepreneurship	Monday	Revision of Core concepts of Unit 1: Entrepreneurial Opportunity	Revision and memorisation of core concepts through memory maps and 1 mark and 2 mark questions
	Tuesday	Business Plan & Market Survey Project Work- guidance as per external exam, and Viva practice	Viva test
Psychology	Monday	Practical Work	(i) Practice of practicals (ii) viva questions
	Tuesday	Practical Work	Checking of Practical File
Computer Science	Monday	Revision: 1. Previous years question paper solving 2. Doubt based on SQL and DBMS	(i) Explanation of topic (ii) Demonstration by programming (iii) Solving practice question based on topic (iv) Solving FAQ from previous year question papers"
	Tuesday	Practical Exam: 1. Lab work on projects 2. Finalizing Project and file	Disussion of impornt questions based on project
I.P.	Monday	# Finalizing Project Work, Print and Submission # Finalizing Practical File and Submission	(i) Getting Project File Printed and get it as Submission and Getting Practical File from students (ii) Disussion of Important questions and practical problems related to Chapter 7 (iii) Detailed explanation of the Topic of Doubts and associated programming practical conectps and problems
	Tuesday	# Chapter 7 - Querying using SQL, Doubt Clarification and Revision	
Legal Studies	Monday	Unit 2- Topics of law(Session 1)	Revision of Property law and Tort law, Previous year board questions practice
	Tuesday	Unit 2- Topics of law(Session 2)	Revision of Contract Law and Criminal Law, Previous year board questions practice
Physical Education	Monday	Ch.4 Physical Education and Sports For CWSN.	Types of Disability : Causes and Nature, Types of Disorder : ADHD, SPD
	Tuesday	Ch.4 Physical Education and Sports For CWSN	Types of Disorder : ASD, OCD, ODD : Causes and Nature
Hindi	Monday	अपठित गद्यांश एवं पद्यांश	विविध उदाहरणों द्वारा अभ्यास ,बहुविकल्पी प्रश्नों के उत्तरों का अभ्यास करवाना
	Tuesday	पद्यांश पाठ	पाठ सहर्ष स्वीकारा है ,उषा ,कवितावली,रुबाइयां पर आधारित पंक्तियों की व्याख्या पर चर्चा तथा अभ्यास
Commercial Art	Monday	Practicals- Illustration	How to compose An Illustration with 3 figures.
	Tuesday	Practicals- Poster	How to use elements of art to create efective poster.