



Syllabus 2019– 2020

Class : XI(SCIENCE)



English

Unit Test-I:-

Hornbill :- Portrait of a Lady, A Photograph (Poem), We Are not Afraid to Die.

Snapshot :- Summer of Beautiful White Horse.

Grammar :- Reordering, Gap filling, Editing, Error Correction in Sentence, Paragraph Writing.

Reading :- Comprehension.

Half Yearly:-

Hornbill :- The Voice of Rain (Poem), Childhood (Poem).

Snapshot :- The Address & Ranga's Marriage

Grammar :- Determiner, Modals, Dialogue completion.

Writing :- Notice, Articles, Note Making & Summary, Reports, Letters, Poster,

Narrative, Advertisement, Speech.

Syllabus of U.T-1 will be included.

Unit Test-II:-

Hornbill :- The Adventure, Discovering Tut, Ailing Planet, Landscape of the soul.

Snapshot :- Albert Einstein.

Grammar :- Active and Passive Voice.

Writing :- Includes all the topics till Half yearly.

Syllabus of Half Yearly will be included.

FINAL EXAM:-

Hornbill :- Browning Version, Silk Road, The Laburnum Top, Father to Son (Poem).

Snapshot :- Mother's Day, The Ghat of the only World, Birth, The Tale of Melon City.

Grammar :- Tense & Clauses.

Writing :- Includes all the topics till the Second Term,

Complete syllabus will be included.

Hindi

मासिक परीक्षा प्रथम-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - दी गई स्थिति / घटना के आधार पर दृश्य लेखन, औपचारिक पत्र लेखन।

पाठ्यपुस्तक

गद्य- नमक का दारोगा, मियाँ नसीरुद्दीन

काव्य- कबीर, मीरा

वितान- भारतीय नायिकाओं में बेजोड़- लता मंगेशकर

अर्धवार्षिक परीक्षा-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - जनसंचार माध्यम , पत्रकारिता के विविध आयाम - प्रिंट माध्यम, रचनात्मक कार्य ,शब्दकोष परिचय ,
व्यवाहारिक लेखन- प्रतिवेदन , प्रेस विज्ञप्ति , परिपत्र , कार्यसूची , कार्यव्रत इत्यादि ।

पाठ्यपुस्तक

गद्य- विदाई संभाषण, गलता लोहा

काव्य - सुमित्रा नन्दन पंत, भवानी प्रसाद

वितान - राजस्थान की रजत बूँदे

मासिक परीक्षा का भी पाठ्यक्रम रहेगा।

मासिक पराक्षा दितीय-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - जनसंचार माध्यम , पत्रकारिता के विविध आयाम - प्रिंट माध्यम, रचनात्मक कार्य ,शब्दकोष परिचय ,
व्यवाहारिक लेखन- प्रतिवेदन , प्रेस विज्ञप्ति , परिपत्र , कार्यसूची , कार्यव्रत इत्यादि ।

पाठ्यपुस्तक

गद्य - स्पीति में वारिश, रजनी

काव्य - त्रिलोचन, दुष्यन्त कुमार

वितान - आलो आँघारि

वार्षिक परीक्षा-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - समाचारों के विभिन्न माध्यम, इंटरनेट, विशेषलेखन ,पत्रकारिता, समाचार लेखन संपादक, संपादकीय

पाठ्यपुस्तक

गद्य - जामुन का पेड़, भारत माता, काव्य- अक्क महादेवी, पाश, निर्मला फतुल

वितान - भारतीय कलाएँ

परीक्षा में पूर्ण पाठ्य क्रम रहेगा।

Physics

Unit Test-I:-Physical World and Measurement, Kinematics

Half Yearly:-Laws of Motion, Work, Energy and Power

Syllabus of U.T-1 will be included.

Unit Test-II:-Motion of System of Particles and Rigid Body, Gravitation, Properties of Bulk Matter

FINAL EXAM:-Thermodynamics, Behaviour of Perfect Gas and Kinetic Theory, Ray Optics, Mechanical Waves

Complete syllabus will be included.

Physics Practical

July

Experiment 1 :- To measure diameter of small spherical/cylinder using Vernier Callipers.

Experiment 2 :- To measure internal diameter and depth of a given beaker hence find its value using Vernier Callipers.

Experiment 3 :- To measure diameter of wire using Screw Gauge.

Experiment 4 :- To measure thickness of given sheet using Screw Gauge.

Experiment 5 :- To measure volume of irregular lamina using Screw Gauge.

Activity :- To make a paper scale of given least count 0.2 cm and 0.5 cm.

August

Experiment 6 :- To determine radius of curvature of a given spherical surface by Spherometer.

Activity :- To determine the mass of given body using a meter scale by principle of moment.

September

Experiment 7 :- To find the weight of given body using parallelogram law vectors.

Experiment 8 :- Using simple pendulum, plot L-T and L-T² graphs, hence find the effecting length of second pendulum using appropriate gram.

Activity :- To determine the force of limiting friction for rolling of a roller on horizontal plane.

October

Experiment 9 :- To find values of 'v' for different value of 'u' in case of concave mirror and hence find 'f'.

Experiment 10 :- To find the focal length of convex lens by plotting graph between 'u' & 'v'.

Or 1/u and 1/v.

Experiment 11 :- To determine R.I of glass slab by using travelling microscope.

Activity :- To study nature and size of the image formed by convex lens on screen by using candle and screen.

November

Experiment 12 :- To study the relationship between force of limiting friction and normal reaction and to find the friction between block and horizontal surface.

Experiment 13 :- To find downward force along an inclined plane acting on a roller due to gravitational pull of earth and study relationship with angle of inclination by plotting graph between force and sin θ .

Activity :- To study nature and size of the image formed by concave mirror on screen by using candle and screen.

December

Experiment 14 :- To study the relation between frequency and length of given wire under constant tension using sonometer.

January

Experiment 15 :- To study relationship between the length of given wire and tension for constant frequency using sonometer.

Chemistry

Unit Test-I:-Structure of atom, Some basic concepts of chemistry

Half Yearly:-Classification of elements and periodicity in properties,Chemical Bonding & Molecular Structure,States of Matter: Gases, Liquids & Solids,**Syllabus of U.T-1 will be included.**

Unit Test-II:-Thermodynamics,Equilibrium,Redox Reactions

SECOND TERM:-Hydrogen,S-block elements,Some P-block elements,Organic Chemistry: Some Basic Principles & Techniques,Hydrocarbons,Environmental Chemistry,**Complete syllabus included.**

Months	Practical
July	Zero, I and II group
August	III & IV group
September	
October	V group
November	VI group
December	Unsaturation Test
January	Volumetric Analysis
February	Revision

Mathematics

FIRST TERM

Unit Test-I:-Sets, Relations, Functions, Measurements of angles, Trigonometric functions, Graphs of Trigonometric functions, Trigonometric ratios of compound angles, Transformation formulae, mathematical induction.

Half Yearly:-Trigonometric ratios of multiple and sub multiple of angles, Trigonometric equations, Complex number, Quadratic equation, Linear equation, Permutations, **Syllabus of U.T-1 will be included.**

Unit Test-II:-Combinations, Binomial Theorem, Arithmetic Progression, Geometric Progression, Some Special Series, Limit and Derivative.

FINAL EXAM:-Complete syllabus will be included.

Biology

Unit Test-I:- Nature and Scope of Biology, Diversity of Living Organisms, Systematics and Nomenclature, Taxonomic Aids, Biological Classification, Classification of Plants

Half Yearly:-Classification of Non-chordates, Classification of chordates, Animal Tissues, Plant Tissues and Tissue System, Morphology of Flowering Plants, **Syllabus of Unit Test -1 will be included.**

Unit Test-II:-Anatomy of Root, Stem and Leaf, Morphology and Anatomy of Non-chordates and Chordates, Cell Theory, Structure and function of Cellular Organalles, Biomolecule, Cell Cycle and Cell division.

FINAL EXAM:-Movement of Water, Ascent of Sap, Mineral Nutrition, Respiration in Plants, Photosynthesis, Plant Growth and Development, Digestion and Absorption, Breathing and Respiration, Body Fluids and Circulation, Excretory Products & Excretion, Locomotion and Movement, Neural Control & Co-ordination, Chemical Co-ordination & Regulation. **Complete syllabus will be included.**

S. No.	Month	Practical
1.	July	<ul style="list-style-type: none">➤ Study parts of a Compound Microscope➤ Study of Specimens and identification of bacteria, fungi and lichens.
2.	August	<ul style="list-style-type: none">➤ Study of specimen and identification of non-chordates.➤ Study of tissues and identification in plant and animal cell.
3.	September	<ul style="list-style-type: none">➤ Preparation and study of T.S. of dicot and monocot root, stems and leaf.➤ Separate plant pigment through paper chromatograph
4.	October	<ul style="list-style-type: none">➤ Description of flowering plant➤ Study of plasmolysis in epidermal peels.
5.	November	<ul style="list-style-type: none">➤ Study of Mitosis in onion root tip cells.➤ Study of cell division through permanent slide.
6.	December	<ul style="list-style-type: none">➤ Study the rate of respiration in flower and seed.➤ Study of osmosis by potato osmometer.➤ Study of imbibition in seeds/raisins
7.	January	<ul style="list-style-type: none">➤ Test the presence of urea/bile/salt/ in urine.➤ Detect sugar in urine.
8.	February	<ul style="list-style-type: none">➤ Study human skeleton and different types of joints.

General Studies

Half Yearly:-Science & Technology,Understanding Social Structure,Protection of Environment

FINAL EXAM:-National Unity, International Understanding, **Complete syllabus will be included.**

Note: Current Affairs will be part of syllabus in half-yearly examination and annual examination.

Physical Education

Unit Test-I:-Changing Trends & Career in Physical Education,Olympic Value Education

Half Yearly:-Physical Fitness, Wellness & Lifestyle,Physical Education & Sports for CWSN (Children With Special Needs- Divyang),Yoga,**Syllabus of U.T-1 will be included.**

Unit Test-II:-Physical Activity & Leadership Training ,Test, Measurement & Evaluation

FINAL EXAM:-Fundamentals of Anatomy, Physiology & Kinesiology in Sports ,Training and Doping in Sports, **Complete syllabus included.**

Month	Practical (30)
July	General warming up walking, jogging, running & standing exercise. Physical Fitness Test
August	General warming up Stretching, Running & Exercise Games and Sports Badminton Skill Practice
September	Yogic Practice
October	Physical Fitness Test
November	Games and Sports Athletic - Shot-Put Practice
December	Games and Sports Athletic - Discus Practice
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February	Physical Fitness Test

Applied Art

Unit Test-I:-Aesthetics of Indian Art,Prehistoric Rock Painting,Art of Indus Valley

Half Yearly:-Art of the Mauryan period,Post Mauryan trends in Indian Art and architecture
Syllabus of U.T-1 will be included.

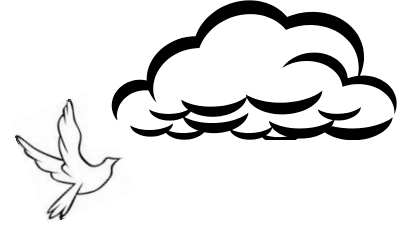
Unit Test-II:-Later mural tradition,Temple Architecture,Indian Bronze Sculpture

FINAL EXAM:-Some Aspects of Indo-Islamic Architecture
Complete syllabus will be included.



Syllabus 2019– 2020

Class : XI(COMMERCE)



English

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अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - दी गई स्थिति / घटना के आधार पर दृश्य लेखन, औपचारिक पत्र लेखन।

पाठ्यपुस्तक

गद्य- नमक का दारोगा, मियाँ नसीरुद्दीन

काव्य- कबीर, मीरा

वितान- भारतीय नायिकाओं में बेजोड़- लता मंगेशकर

अर्धवार्षिक परीक्षा-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

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पाठ्यपुस्तक

गद्य- विदाई संभाषण, गलता लोहा

काव्य - सुमित्रा नन्दन पंत, भवानी प्रसाद

वितान - राजस्थान की रजत बूँदे

मासिक परीक्षा का भी पाठ्यक्रम रहेगा।

मासिक पराक्षा दितीय-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - जनसंचार माध्यम , पत्रकारिता के विविध आयाम - प्रिंट माध्यम, रचनात्मक कार्य ,शब्दकोष परिचय ,
व्यवाहिक लेखन- प्रतिवेदन , प्रेस विज्ञप्ति , परिपत्र , कार्यसूची , कार्यव्रत इत्यादि ।

पाठ्यपुस्तक

गद्य - स्पीति में वारिश, रजनी

काव्य - त्रिलोचन, दुष्यन्त कुमार

वितान - आलो आँघारि

वार्षिक परीक्षा-

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गद्य - जामुन का पेड़, भारत माता, काव्य- अक्क महादेवी, पाश, निर्मला फतुल

वितान - भारतीय कलाएँ

परीक्षा में पूर्ण पाठ्य क्रम रहेगा।

Business Studies

Unit Test-I:-

Part-A :- Nature and Purpose of Business, Forms of Business Organisation

Part-B :- Small Business

Half Yearly:-

Part-A :- Public, Private and Global Enterprises, Business Services

Part-B :- Sources of Business Finance, Internal Trade

Syllabus of U.T-1 will be included.

Unit Test-II:-

Part-A :- Emerging Modes Of Business,

Part-B :- International Business – I

FINAL EXAM:-

Part-A :- Social Responsibilities of Business and Business Ethics

Part-B :- International Business – II

Complete syllabus will be included.

ACCOUNTANCY

Unit Test-I:-

- **Introduction to Accounting** :- Meaning of Book keeping, Accounting, Accountancy, Objectives, Importance and limitations of accounting, users of accounting information and basic terms used in accounting.
- **Accounting Equation**
- **Theory Base of Accounting** :- Meaning of GAAP, accounting standard concepts of accounting.
- **Rules of Debit and Credit – Journal** :- Concept of debit and credit with rules.

Half Yearly:-

- **Rules of Debit and Credit – Journal(Include Goods and Service Tax)** :- Double entry book keeping system, meaning of journal, journal entries
- **Accounting for Cash – Cash book** :- Simple cash book, double column, three column cash book, petty cash book.
- **Non Cash Transactions – Subsidiary books** :- Meaning of subsidiary books, purchases book, sales book, purchases return book and sales return book.
- **Ledger Accounts** :- Meaning, ledger posting from journal entries, balancing of ledger accounts, difference between journal and ledger.
- **Trial Balance** :- Meaning, objectives, Errors

Unit Test-II:-

- **Trial Balance** :- Preparation of trial balance, methods of preparation of trial balance.
- **Bank Reconciliation Statement** :- Meaning need, importance and preparation of B.R.S.
- **Depreciation, Provisions and Reserves** :- Meaning of depreciation, factors affecting depreciation, methods of calculating depreciation – fixed and reducing installment methods.
- **Errors and Rectification** :- Errors disclosed by and not disclosed by Trial balance, types of errors, rectification of errors, Reserves and Provisions.
- **Bills of Exchange** :- Meaning, accounting treatment of bills of exchange – payment, negotiation, discounting of bills, endorsement, rebate, bill for collection, renewal and part payment of bill.
- **Financial Statements (Without adjustments)** :- Meaning of financial statements, users, capital and revenue expenditures, limitations of financial statements , Trading A/c, profit and loss A/c, balance sheet

FINAL EXAM:-

- **Source Documents and their Preparation** :- Source Documents, voucher meaning, types and preparation
- **Financial Statements (With adjustments)** :- Trading A/c, Profit and loss A/c, Balance sheet with adjustments.
- **Accounting from Incomplete Records** :- Calculation of profits, Preparation of statement of Affairs.
- **Application of Computers in accounting**
- **Computerised Accounting System , Complete syllabus will be included.**

Economics

Unit Test-I:-

Micro- Introduction, Consumer Equilibrium

Statistics – Introduction, Meaning, scope and important of statistics, Collection of data.

Half-Yearly:-

Micro- Demand, Elasticity of demand, Production function.

Statistics – Organisation of data, Tabular Presentation, Diagrammatic Presentation, Graphic Presentation, and Measures of Central Tendency- Arithmetic mean.

Syllabus of Unit Test-1 will be Included.

Unit Test-II:-

Micro- Cost, revenue, Producer Equilibrium.

Statistics – Measure of Central Tendency – Median & mode, Quartile Deviation (Measures of Dispersion)

FINAL EXAM:-

Micro- Supply, Main Market forms, Price determination with simple Applications

Statistics – Measure of Dispersion (remaining method), measures of Correlation, Index Numbers.

Complete syllabus will be included.

Applied Art

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FINAL EXAM:-Some Aspects of Indo-Islamic Architecture, **Complete syllabus will be included.**

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Class : XI(HUMANITIES)



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रचनात्मक लेखन - दी गई स्थिति / घटना के आधार पर दृश्य लेखन, औपचारिक पत्र लेखन।

पाठ्यपुस्तक

गद्य- नमक का दारोगा, मियाँ नसीरुद्दीन

काव्य- कबीर, मीरा

वितान- भारतीय नायिकाओं में बेजोड़- लता मंगेशकर

अर्धवार्षिक परीक्षा-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - जनसंचार माध्यम , पत्रकारिता के विविध आयाम - प्रिंट माध्यम, रचनात्मक कार्य ,शब्दकोष परिचय , व्यवाहारिक लेखन- प्रतिवेदन , प्रेस विज्ञप्ति , परिपत्र , कार्यसूची , कार्यव्रत इत्यादि ।

पाठ्यपुस्तक

गद्य- विदाई संभाषण, गलता लोहा

काव्य - सुमित्रा नन्दन पंत, भवानी प्रसाद

वितान - राजस्थान की रजत बूँदे

मासिक परीक्षा का भी पाठ्यक्रम रहेगा।

मासिक पराक्षा दितीय-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - जनसंचार माध्यम , पत्रकारिता के विविध आयाम - प्रिंट माध्यम, रचनात्मक कार्य ,शब्दकोष परिचय , व्यवाहारिक लेखन- प्रतिवेदन , प्रेस विज्ञप्ति , परिपत्र , कार्यसूची , कार्यव्रत इत्यादि ।

पाठ्यपुस्तक

गद्य - स्पीति में वारिश, रजनी

काव्य - त्रिलोचन, दुष्यन्त कुमार

वितान - आलो आँघारि

वार्षिक परीक्षा-

अपठित अंश - अपठित गद्यांश लेखन, अपठित पद्यांश लेखन

रचनात्मक लेखन - समाचारों के विभिन्न माध्यम, इंटरनेट, विशेषलेखन ,पत्रकारिता, समाचार लेखन संपादक, संपादकीय

पाठ्यपुस्तक

गद्य - जामुन का पेड़, भारत माता, काव्य- अक्क महादेवी, पाश, निर्मला फतुल

वितान - भारतीय कलाएँ

परीक्षा में पूर्ण पाठ्य क्रम रहेगा।

Economics

Unit Test-I:-

Micro- Introduction, Consumer Equilibrium

Statistics – Introduction, Meaning, scope and important of statistics, Collection of data.

Half-Yearly:-

Micro- Demand, Elasticity of demand, Production function.

Statistics – Organisation of data, Tabular Presentation, Diagrammatic Presentation, Graphic Presentation, and Measures of Central Tendency- Arithmetic mean.

Syllabus of Unit Test-1 will be Included.

Unit Test-II:-

Micro- Cost, revenue, Producer Equilibrium.

Statistics – Measure of Central Tendency – Median & mode, Quartile Deviation (Measures of Dispersion)

FINAL EXAM:-

Micro- Supply, Main Market forms, Price determination with simple Applications

Statistics – Measure of Dispersion (remaining method), measures of Correlation, Index Numbers.

Complete syllabus will be included.

Political Science

Unit Test-I:-Indian Constitution at Work:- Constitution Why & How,Philosophy of the Constitution,Constitution as a living document. **Political Theory:-** Political Theory: An Introduction,Freedom.

Half Yearly:-Indian Constitution at Work:- Unit 2 – Rights in Indian Constitution
Unit 3 – Election and Representation **Political Theory:-** Equality,Justice with special reference to Social justice,**Syllabus of U.T-1 will be included.**

Unit Test-II:-Indian Constitution at Work:- The Executive, The Legislature **Political Theory:-** Rights,Citizenship, Nationalism

FINAL EXAM:-Indian Constitution at Work:- The Judiciary, Federalism,Local Governments.
Political Theory:- Secularism,Peace,Development,**Complete syllabus will be included.**

General Studies

Half Yearly:- Science & Technology,Understanding Social Structure,Protection of Environment

FINAL EXAM:-National Unity,International Understanding, **Complete syllabus will be included.**

Note: Current Affairs will be part of syllabus in half-yearly examination and annual examination.

Applied Art

Unit Test-I:-Aesthetics of Indian Art,Prehistoric Rock Painting,Art of Indus Valley

Half Yearly:-Art of the Mauryan period,Post Mauryan trends in Indian Art and architecture
Syllabus of U.T-1 will be included.

Unit Test-II:-Later mural tradition, Temple Architecture, Indian Bronze Sculpture

FINAL EXAM:-Some Aspects of Indo-Islamic Architecture,**Complete syllabus will be included.**

HISTORY

Unit Test-I:-Theme-1 From the beginning of the time,**Theme2**-Writing and city life

Half Yearly:-Theme3- An empire across three continents,**Theme4**- The central Islamic lands,**Theme5**- Nomadic empires,**Syllabus of U.T-1 will be included.**

Unit Test-II:-Theme6- The three orders,**Theme7**- Changing cultural traditions

FINAL EXAM:-Theme8- Confrontation of cultures,**Theme9**- The industrial revolution,**Theme-10** Displacing indigenous peoples,**Theme11**- Paths to modernization,**Complete syllabus will be included.**

Physical Education

Unit Test-I:- Changing Trends & Career in Physical Education, Olympic Value Education

Half Yearly:- Physical Fitness, Wellness & Lifestyle, Physical Education & Sports for CWSN (Children With Special Needs- Divyang), Yoga, **Syllabus of U.T-1 will be included.**

Unit Test-II:- Physical Activity & Leadership Training, Test, Measurement & Evaluation

FINAL EXAM:- Fundamentals of Anatomy, Physiology & Kinesiology in Sports, Training and Doping in Sports, **Complete syllabus included.**

Month	Practical (30)
July	General warming up walking, jogging, running & standing exercise. Physical Fitness Test
August	General warming up Stretching, Running & Exercise Games and Sports Badminton Skill Practice
September	Yogic Practice
October	Physical Fitness Test
November	Games and Sports Athletic - Shot-Put Practice
December	Games and Sports Athletic - Discus Practice
January	Proficiency in Games and Sports Badminton Skill & Match Practice
February	Physical Fitness Test