

Class: XI (Stream: Science)

ENGLISH (CORE) (301)

PERIODIC TEST – I

LANGUAGE: 1. READING COMPREHENSION THROUGH UNSEEN PASSAGE (Factual/Descriptive or Literary Passage)

GRAMMAR: 1. GAP FILLING (TENSES); 2. REORDERING OF WORDS AND PHRASES TO MAKE SENTENCES.

CREATIVE WRITING SKILL: CLASSIFIED ADVERTISEMENTS.

LITERATURE: HORNBILL: 1. THE PORTRAIT OF A LADY; 2. WE'RE NOT AFRAID TO DIE; 3. A PHOTOGRAPH (POEM).

SNAPSHOTS: 1. THE SUMMER OF THE BEAUTIFUL WHITE HORSE.

HALF YEARLY EXAMINATION

LANGUAGE: 1. NOTE – MAKING & SUMMARIZATION (UNSEEN);

2. Reading Comprehension (DISCURSIVE & CASE-BASED FACTUAL PASSAGE)

GRAMMAR – TRANSFORMATION OF SENTENCES (REPORTED SPEECH); Tenses and Clauses.

CREATIVE WRITING SKILL: 1. POSTER; 2. SPEECH WRITING; 3. DEBATE WRITING

LITERATURE: HORNBILL: 1. DISCOVERING TUT; 2. THE LABURNUM TOP (Poem); 3. THE VOICE OF THE RAIN (POEM).

SNAPSHOTS: 1. THE ADDRESS; 2. MOTHER'S DAY.

****NOTE: SYLLABUS OF PERIODIC TEST – I is included in HALF-YEARLY EXAMINATION****

PERIODIC TEST – II

LANGUAGE: Topics covered in PERIODIC TEST – I and HALF – YEARLY EXAMINATION.

LITERATURE: HORNBILL: 1. THE ADVENTURE; 2. CHILDHOOD (POEM)

SNAPSHOTS: 1. BIRTH *Syllabus of PT – I and Half-Yearly Examination is included*

YEARLY EXAMINATION

LANGUAGE: Entire syllabus of Class – XI

LITERATURE: HORNBILL: 1. SILK ROAD; 2. FATHER TO SON (POEM)

SNAPSHOTS: 1. THE TALE OF MELON CITY (Narrative Poem)

SYLLABUS OF P.T I; Half Yearly Examination and P.T II will be included in Yearly Examination

INTERNAL ASSESSMENT (20 Marks)

- **ASSESSMENT OF LISTENING & SPEAKING SKILLS WILL BE CONDUCTED AS PER THE GUIDELINES ISSUED BY CBSE.**
- **PROJECT-WORK & VIVA** (as per the directions given by CBSE).

2nd LANGUAGE HINDI (SUBJECT CODE: 302)

EXAM NAME	CHAPTER NAME
Periodic Test 1	आरोह भाग (1) गद्य खंड – नमक का दरोगा, मियां नसीरुद्दीन काव्य खंड – कबीर (पद- 1), मीरा (पद-1) वितान – भारतीय गायिकाओं में बेजोड़ लता मंगेशकर अभिव्यक्ति और माध्यम – जनसंचार माध्यम, डायरी लिखने की कला, अपठित गद्यांश और पद्यांश

Half Yearly	<p>गद्य खंड –अप्पू के साथ ढाई साल, विदाई संभाषण</p> <p>काव्य खंड- घर की याद, चंपा काले अक्षर नहीं चीन्हती</p> <p>वितान -राजस्थान के रजत बूंदे</p> <p>अभिव्यक्ति और माध्यम –पत्रकारिता के विविध आयाम, कथा पटकथा, डायरी लिखने की कला ,अपठित गद्यांश और पद्यांश</p> <p>NOTE : P.T (1) से प्रश्न पूछे जाएंगे</p>
Periodic Test 2	<p>गद्य खंड- गलता लोहा रजनी</p> <p>काव्य खंड -गजल, है! भूख मत मचल ,हे मेरे जूही के फूल जैसे ईश्वर</p> <p>वितान -आलो आँधरि</p> <p>अभिव्यक्ति और माध्यम– कार्यालयी लेखन और प्रकिया ,स्ववृत्त लेखन और रोजगार संबंधी लेखन,अपठित गद्यांश और पद्यांश</p>
Yearly Exam	<p>गद्य खंड -जामुन का पेड़ ,भारत माता</p> <p>काव्य खंड- सबसे खतरनाक, आओ मिलकर बचाएं वितान -भारतीय गायिकाओं में बेजोड़ लता मंगेशकर राजस्थान की रजत बूंदे, आलो आँधरि</p> <p>अभिव्यक्ति और माध्यम -शब्दकोश, संदर्भ ग्रंथ की उपयोगी विधि और परिचय ,डायरी लिखने की कला ,पत्रकारिता के विविध आयाम, अपठित गद्यांश और पद्यांश</p> <p>Note -पूरे पाठ्यक्रम से प्रश्न पूछे जाएंगे</p>

2nd LANGUAGE BENGALI (SUBJECT CODE:105)

EXAM NAME	CHAPTER NAME	EXAM NAME	CHAPTER NAME
PERIODIC TEST:- I	<p>गद्य :- तेलनापोता आविष्कार</p> <p>पद्य :- नून</p> <p>व्याकरण:- वाच्य परिवर्तन</p> <p>नाटक:- गुरु:- १(सम्पूर्ण)</p> <p>बोध परीक्षण</p>	HALF YEARLY	<p>गद्य :- ডাকাতের মা, গ্যালিলিও</p> <p>পদ্য :- বাড়ির কাছে আরশিনগর, দ্বীপান্তরের বন্দিনী</p> <p>ব্যাकरण:- উক্তি পরিবর্তন</p> <p>নাটক :- গুরু:- ২ (সম্পূর্ণ)</p> <p>নির্মিতি :-সারসংক্ষেপ লিখন, বোধ পরীক্ষণ।</p>
PERIODIC TEST – II	<p>गद्य :- कर्तार भूत</p> <p>पद्य :- शिक्षार सार्कास</p> <p>व्याकरण:- বাংলা শব্দ ভাণ্ডার (তৎসম,তদ্ভব, দেশী এবং বিদেশী)</p> <p>सहायक ग्रन्थ :- গুরু:- ৩ (সম্পূর্ণ)</p>	YEARLY EXAM :-	<p>गद्य :- (सब)</p> <p>पद्य :- (सब)</p> <p>व्याकरण :- (सब)</p> <p>सहायक ग्रन्थ :- গুরু:- ৪ (১ , ২ , ৩ সম্পূর্ণ)</p> <p>নির্মিতি :- সারসংক্ষেপ লিখন, কথোপকথন লিখন, বোধ পরীক্ষণ।</p>

PHYSICS (SUBJECT CODE :042)

Exam Name	Chapter Name	Exam Name	Chapter Name
Periodic Test - 1	<p>Chapter1. Units & Measurements</p> <p>Chapter 2. Motion in a straight line.</p> <p>Chapter 3. Motion in a plane</p> <p>Chapter 4. Laws of motion.</p>	Half-Yearly	<p>Chapter 5. work, Energy & Power</p> <p>Chapter 6. System of Particles & Rotational Motion</p> <p>Chapter 7. Gravitation</p> <p>(Chapters of PT 1 will also be included)</p>
Periodic Test - 2	<p>Chapter 8. Mechanical properties of Solid</p> <p>Chapter 9. Mechanical properties of Fluid</p> <p>Chapter 10. Thermal properties of Matter</p> <p>Chapter 11. Thermodynamics</p>	Yearly	<p>Chapter 12. Kinetic Theory</p> <p>Chapter 13. Oscillations</p> <p>Chapter 14. Waves</p> <p>(Chapters of PT 1 , PT 2 & half Yearly will also be included)</p>

PRACTICALS

HALF YEARLY	<ol style="list-style-type: none"> 1. To measure diameter of a small spherical / cylindrical body using Vernier Callipers. 2. To measure the dimension of a given regular body of known mass using Vernier Callipers & hence find its density. 3. To measure the internal diameter & depth of a beaker/ calorimeter using Vernier Callipers & hence find the volume. 4. To measure the diameter of a given wire using a screw gauge. 5. To measure the thickness of a given sheet using a screw gauge. 6. To determine the volume of an irregular lamina using a screw gauge. 7. To determine the radius of curvature of a given spherical surface using a spherometer. 8. To find the weight of a given body using Parallelogram Law of Vectors. 9. Using a Simple Pendulum plot its L-T² Graph & use it to find the effective length of Second's Pendulum.
YEARLY	<ol style="list-style-type: none"> 10. To study the relationship between the force of limiting friction & normal reaction & to find the coefficient of friction between a block & a horizontal surface. 11. To find the force constant of a helical spring by plotting a graph between load & extension. 12. To determine the surface tension of water by capillary rise method. 13. To determine the specific heat capacity of a given solid by method of mixtures. 14. To study the relation between frequency & length of a given wire under constant tension using a sonometer. 15. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

CHEMISTRY (SUBJECT CODE: 043)

PERIODIC TEST I

- **Unit I:** Some basic concepts of chemistry.
- **Unit II:** Structure of atom: Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations.
- **Unit VII:** Redox Reactions

HALF-YEARLY EXAMINATION

- **Unit II:** Structure of atom: concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.
- **Unit III:** Classification of Elements and Periodicity in Properties
- **Unit IV:** Chemical Bonding and Molecular Structure
- **Unit VIII:** Organic Chemistry -Some Basic Principles and Techniques: General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles.
- **Unit I, II and VII from Periodic Test I**

PERIODIC TEST II

- **Unit VI:** Equilibrium
- **Unit VIII:** Organic Chemistry -Some Basic Principles and Techniques: Types of organic reactions and Methods of Purification of Organic Compounds.
- **Unit IX:** Hydrocarbons: Classification of Hydrocarbons, Aliphatic Hydrocarbons: Only alkanes and alkenes.

YEARLY EXAMINATION

- **Unit V:** Chemical Thermodynamics
- **Unit IX:** Aliphatic Hydrocarbons: alkynes and aromatic hydrocarbons

- All other chapters from Periodic Test-I+ Half-Yearly+ Periodic Test-II

PRACTICAL SYLLABUS

List of experiments:

- **Quantitative Estimation**
 - Using a mechanical balance/electronic balance.
 - Preparation of standard solution of Oxalic acid.
 - Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid.
 - Preparation of standard solution of Sodium carbonate.
 - Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution.
- **Experiments based on pH**
Any one of the following experiments:
 - Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.
 - Comparing the pH of solutions of strong and weak acids of same concentration.
 - Study the pH change in the titration of a strong base using universal indicator
- **Qualitative Analysis**
 Determination of one anion and one cation in a given salt
 Cations- Pb^{2+} , Cu^{2+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Ni^{2+} , Zn^{2+} , Co^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Mg^{2+} , NH_4^+
 Anions – CO_3^{2-} , S^{2-} , NO_2^- , SO_3^{2-} , SO_4^{2-} , NO_3^- , Cl^- , Br^- , I^- , PO_4^{3-} , CH_3COO^- (Note: Insoluble salts excluded)
- **PROJECTS:**

Scientific investigations involving laboratory testing and collecting information from other sources.

Note:

- Full syllabus in Yearly examination as per CBSE guidelines.
- Practical examination will be conducted as per schedule.

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BIOLOGY(SUBJECT CODE : 044)

Exam Name	Chapter Name	Exam Name	Chapter Name
Periodic Test - 1	1. Living World 2. Biological Classification 3. Plant Kingdom 4. Animal Kingdom	Half-Yearly	5. Morphology of Flowering Plants 6. Anatomy of Flowering Plants 7. Structural Organization in Animals 8. Cell - The Unit of Life 9. Biomolecules (PT 1- 3. Plant Kingdom , 4. Animal Kingdom)
Periodic Test - 2	10. Cell cycle and cell division 13. Photosynthesis in Higher Plants 14. Respiration in Plants 15. Plant Growth and Development	Yearly	17. Breathing and Exchange of Gases 18. Body Fluids and Circulation 19. Excretory Products and their Elimination 20. Locomotion and Movement 21. Neural Control and Coordination

			22. Chemical Coordination and Integration (+ Chapters 4, 5, 9, 10, 13,14)
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PRACTICALS

Periodic Test - 1 and Half Yearly	Periodic Test - 2 and Yearly
Major Experiments- 1 and 3	Major Experiments - 7 and 8
Minor Experiments - 6 and 9	Minor Experiments - 10, 11, 12, 13
Slide Preparation – 2	Slide Preparation - 4 and 5
Spottings - 1, 2 and 3	Spottings - 4, 5 and 6

MATHEMATICS (SUBJECT CODE : 041)

EXAM NAME	CHAPTER'S NAME
PT-I	SETS, RELATIONS & FUNCTIONS, TRIGONOMETRIC FUNCTIONS, COMPLEX NUMBERS & QUADRATIC EQUATIONS, LIMITS & DERIVATIVES.
HALF YEARLY	SEQUENCE & SERIES, PERMUTATIONS & COMBINATIONS, BINOMIAL THEOREM, PROBABILITY + UT-I
PT-II	STRAIGHT LINES, CONIC SECTIONS, 3-D GEOMETRY.
YEARLY	LINEAR INEQUALITIES, STATISTICS + PT-I + HALF YEARLY + PT-II

COMPUTER SCIENCE (SUBJECT CODE: 083)

Exam Name	Chapter Name	Exam Name	Chapter Name
Periodic Test1	Chap 1 : Computer system overview Chap 2 : Data Representation Chap 3: Boolean Logic Chap 5 : Getting Started with Python Chap 6: Python Fundamentals (No Practical exam will be conducted in this Unit)	Half Yearly	Chap 8 : Data Handling Chap 9: Flow of Control ** Theory: 70 marks Practical : 30 marks ** UT 1 syllabus will also be included.
Periodic Test 2	Chap 10: String Manipulation Chap 11: List Manipulation (No Practical exam will be conducted in this Unit)	Yearly Exam	Chap 12: Tuples Chap 13: Dictionaries Chap 14: Society, Law and Ethics. **Full syllabus will be included here ** Theory: 70 marks Practical : 30 marks

PHYSICAL EDUCATION (SUBJECT CODE: 048)

Exam Name	Chapter Name
Periodic Test1	Chapter 1 – Changing Trends & Careers in Physical Education Chapter 2 – Olympic Value Education
Half Yearly	Chapter 1 – Changing Trends & Careers in Physical Education Chapter 2 – Olympic Value Education Chapter 3 – Yoga Chapter 4 – Physical Education & Sports for CWSM (Children With Special Needs Divyang) Chapter 5 – Physical Fitness, Health & Wellness
Periodic Test 2	Chapter 6 – Test , Measurement & Evaluation Chapter 7 - Fundamentals of Anatomy & Physiology in Sports
Yearly Exam	Chapter 8 – Fundamentals of Kinesiology & Biomechanics in Sports Chapter 9 – Psychology & Sports Chapter 10 – Training & Doping in Sports (Including P.A – 1 & P.A – 2)
Practical Test :	1. AAPHERD Physical Test 2. SAI Physical Test

HOME SCIENCE (SUBJECT CODE:064)

EXAM NAME	CHAPTER NAME
<u>Periodic test 1:</u>	Unit 1: Introduction to home science Unit 2: Understanding oneself: Adolescence Ch: Understanding the self A. "Who am I?" B. Development and Characteristics of the self (Development, characteristics and needs of adolescents)
<u>Half Yearly Exam:</u>	Unit 2: Understanding oneself: Adolescence Ch.- Understanding the Self Ch. Influences on Identity Ch.: Food, Nutrition, Health and Fitness Ch.- Management of Resources Ch.- Fabric around us Ch.-Media and Communication Technology Unit 3: Understanding family, community and society Ch.-concerns and needs in diverse contexts: a. Nutrition, Health and Hygiene b. Resources Availability and Management + Periodic test 1 syllabus
<u>Periodic Test 2:</u>	Unit 4: Childhood Ch.- survival, Growth and Development Ch.- Nutrition, Health and Wellbeing Ch.- Our Apparel
<u>Yearly Exam:</u>	Unit 5: Adulthood Ch.- Health and Wellness Ch.- Financial Management and planning Ch.- Care and Maintenance of fabrics +Periodic test 1 + Periodic test 2 + Half yearly syllabus

FOOD , NUTRITION & DIETETICS (SUBJECT CODE: 834)

EXAM NAME	CHAPTER NAME
<u>Periodic Test-I:</u>	<u>Unit 1: Food and Nutrition: Basic Concepts</u> 1) Nutritional status and primary health care 2) Food: basic concepts 3) Nutrients 4) Recommended Dietary Allowances 5) Concepts of meal planning Employability skill
<u>Half yearly Exam:</u>	<u>Unit 2: Nutrition through Life Cycle</u> 1) Nutrition during infancy (0-1 years) and preschool years (1-6 years) 2) Nutrition during Childhood and Adolescent 3) Nutrition during Adulthood and Old age 4) Nutrition during Pregnancy and Lactation <u>Unit 3: Public Health and Nutrition: Basic Concept</u> 1. Human Development Index (HDI), Sustainable Development Goals (SDG) 2. Malnutrition 3. Methods for assessment of Nutritional status Employability skill + periodic test 1

Periodic Test-II:	<u>Unit 5: Public Health and Nutrition: Programmes and policies</u> 1) National programme for welfare of women and children 2) Programmes for welfare of adolescent girls and women <u>Unit 6: Nutrition Education, Communication and Behaviour Change</u> <ul style="list-style-type: none"> National education, communication and behaviour change + Employability skill
Yearly Exam:	<u>Unit 4: Public Health and Nutrition Disorders :</u> 1) Major Deficiency Disorder 2) Other Nutrition problems 3) Overweight/obesity 4) Non-Communicable Diseases (Diabetes, CVD, Cancer) + Periodic test 1 + periodic test 2+ Half Yearly+ Employability skill

FINE ARTS (Painting) [SUBJECT CODE: 049]

EXAM NAME	CHAPTER NAME
Periodic Test-I:	Pre-historic Rock Paintings and Art of Indus Valley (2500 B.C. to 1500 B.C.)
HALF YEARLY	Buddhist, Jain and Hindu Art + UT-I
Periodic Test-I:	Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture 24 Periods.
YEARLY	UT-I + HALF YEARLY + UT-II

Hindustani Music Vocal (code 034)

PERIODIC TEST-I

Brief of the following Nada, Shruti, Swar, Saptak, Thaata, Jati, Laya, Tala

Brief study of the following: Margi- Desi, Raga

Brief History of the following Dhrupad, Khayal and Tarana

Half Yearly -

Brief study of musical elements in Natya Shastra.

Life sketch and contribution of Tansen, VN Bhatkhande and V.D. Palushkar

PERIODIC TEST-II

Description of Prescribed Talas along with Tala Notation with Thah, Dugun and Chaugun.

~Teentala

~Ektala

~Chautala

Knowledge of the Structure of Tanpura.

* YEARLY Examination*

Critical study of Prescribed Ragas along with Recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Jaunpuri

Writing in notation the compositions of Prescribed Ragas

~Bihag

~Bhimpalasi

~Bhairavi

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