P.N NATIONAL PUBLIC SCHOOL
Affiliated to CBSE Delhi 10+2 (Senior secondary)
GORAKHPUR | KUSHINAGAR

ENGLISH

Reading Skills

I Reading Comprehension through Unseen Passage

1. One unseen passage to assess comprehension, interpretation, analysis and inference.Vocabulary assessment will also be assessed via inference. The passage may be factual, descriptive or literary.

2. One unseen **case-based factual** passage with verbal/visual inputs like statistical data, charts etc. to assess comprehension, interpretation, analysis, inference and evaluation.

Note: The combined word limit for both the passages will be 700-750 words.

Multiple Choice Questions / Objective Type Questions and Short Answer type Questions(to be answered in 40-50 words) will be asked.

Writing Skills

II. Creative Writing Skills

3. Notice, up to 50 words. One out of the two given questions to be answered.
4. Formal/Informal Invitation and Reply, up to 50 words. One out of the two given questions tobe answered.

5. Letters based on verbal/visual input, to be answered in approximately 120-150 words. Letter types include application for a job with bio data or resume. Letters to the editor (givingsuggestions or opinion on issues of public interest) .

6. Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, to be answered in 120-150 words. One out of the two given questions to be answered .

Prescribed Books

1. **Flamingo:** English Reader published by National Council of Education Researchand Training,New Delhi

(Prose)
- The Last LessonLost
- Spring Deep Water
- The RattrapIndigo
- Poets and PancakesThe
- Interview
- Going Places

(Poetry)
- My Mother at Sixty-Six
- Keeping Quiet
- A Thing of BeautyA
- Roadside Stand
- Aunt Jennifer's Tigers

2. **Vistas:** Supplementary Reader published by National Council of EducationRe-search andTraining, New Delhi

- The Third LevelThe
- Tiger King
- Journey to the End of the Earth
- The Enemy
- On the Face of It Memories

	of Childhood
	    The Cutting of My Long Hair
	    We Too are Human Beings	

HINDI	आरोह भाग -2, गद्य - 1 - भक्तिन
	                    2- बाजार दर्शन
	                   3- काले मेघा पानी दे
	                   4- पहलवान की ढोलक
	                   5- शिरीष के फूल
	                   6- श्रम - विभाजन और जाति
	                              प्रथा
	                  काव्य -1- आत्मपरिचय
	            2- कविता के बहाने, बात
	                       सीधी थी पर
	            3 - कैमरे में बंद अपाहिज
	            4- उषा
	
	वितान भाग -2 1- सिल्वर वैडिंग
	                   2- जूझ
	
	अभिव्यक्ति और माध्यम - निर्धारित सम्पूर्ण अध्याय	

BIOLOGY	Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-4: Reproductive Health Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution Chapter-8: Human Health and Diseases	

	Chapter-10: Microbes in Human Welfare Chapter-11: Biotechnology - Principles and Processes
CHEMISTRY	1. Solutions 2. Electrochemistry 3. Chemical Kinetics 4. Coordination Compounds 5. Haloalkanes and Haloarenes 6. Alcohols, Phenols and Ethers 7. Aldehydes, Ketones and Carboxylic Acids
MATHS	**Chapter 1 - Relations and Functions.** **Chapter 2 - Inverse Trigonometric Functions.** **Chapter 3 - Matrices.** **Chapter 4 - Determinants.** **Chapter 5 - Continuity and Differentiability.** **Chapter 6 - Application of Derivatives.** **Chapter 7 - Integrals.** **Chapter 8 - Application of Integrals** **Chapter 9 - Differential equation** **Chapter 10 - Vector Algebraic** **Chapter 11 - 3D Geometry** **Chapter 12 - Linear programming**

PHYSICS	Practical (30 marks) Section A 1. To determine the resistivity of two / three wires by plotting a graph for potential difference versus current. 2. To find the resistance of a given wire / standard resistor using a metre bridge. 3. To verify the laws of combination (series) of resistances using a metre bridge. OR To verify the laws of combination (parallel) of resistances using a metre bridge. 4. To determine the resistance of a galvanometer by the half-deflection method and to find its figure of merit. 5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. OR To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same. Section B 1. To find the value of v for different values of u in the case of a concave mirror and to find the focal length. 2. To find the focal length of a convex mirror using a convex lens. 3. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v. 4. To find the focal length of a concave lens using a convex lens. 5. To determine the angle of minimum deviation for a given prism by plotting a graph between the angle of incidence and the angle of deviation. 6. To determine the refractive index of a glass slab using a travelling microscope. 7. To find the refractive index of a liquid using a convex lens and plane mirror. 8. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias. Theory (70 marks) Chapter 1: Electric Charges and Fields Chapter 2: Electrostatic Potential and Capacitance Chapter 3: Current Electricity Chapter 4: Moving Charges and Magnetism Chapter 5: Magnetism and Matter Chapter 6: Electromagnetic Induction

	Chapter 7: Alternating Current Chapter 8: Electromagnetic Waves Chapter 11: Dual Nature of Radiation and Matter Chapter 12: Atoms Chapter 13: Nuclei Chapter 14: Semiconductor Electronics: Materials, Devices and Simple Circuits
Economics	*Macro Economics*National Income and Related Aggregates, money and banking, income determination of employment Indian economic and development Experience (1947-90) and Economic Reforms since 1991
Business studies	Nature and Significance of Management Concept, Principles of Management, Business Environment, Planning, Organising, and Staffing
Account	1. Partnership a. Fundamental of partnership b. Admission of partner c. Goodwill d. Retirement and death of partners e. Dissolution of partnership firm 2. Issue of share
Physical Edu.	Chapter- 1 to 6.