



JP INTERNATIONAL SCHOOL, GREATER NOIDA

SESSION 2023-24

PRE BOARD SYLLABUS

CLASS – XII(MED)


Date - 21-11-2023

CIRCULAR NO: JPIS /23/194

Subject	Syllabus
English (301)	<p>Flamingo (Prose) The Last Lesson, Lost Spring, Deep Water ,The Rattrap ,Indigo Poets and Pancakes, The Interview Going Places</p> <p>(Poetry) My Mother at Sixty-Six ,Keeping Quiet ,A Thing of Beauty ,A Roadside Stand ,Aunt Jennifer's Tigers</p> <p>VISTAS The Third Level ,The Tiger King ,Journey to the End of the Earth ,The Enemy ,On the Face of It ,Memories of Childhood</p> <p>The Cutting of My Long Hair o We Too are Human Beings</p> <p>Creative Writing Skills .Notice, up to 50 words, Formal/Informal Invitation and Reply, up to 50 words. 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 (giving suggestions or opinion on issues of public interest) . Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, to be answered in 120-150 words.</p>
Biology (044)	<p>Unit-VI Reproduction Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-4: Reproductive Health</p> <p>Unit-VII Genetics and Evolution Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution</p> <p>Unit-VIII Biology and Human Welfare Chapter-8: Human Health and Diseases Chapter-10: Microbes in Human Welfare</p> <p>Unit-IX Biotechnology and its Applications Chapter-11: Biotechnology -</p> <p>Unit-X Ecology and Environment Chapter-13: Organisms and Populations Chapter-14: Ecosystem Chapter-15: Biodiversity and its Conservation</p>
Physics (042)	<p>Unit-I Electrostatics Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance</p> <p>Unit-II Current Electricity Chapter-3: Current Electricity</p> <p>Unit-III Magnetic Effects of Current and Magnetism Chapter-4: Moving Charges and Magnetism Chapter-5: Magnetism and Matter</p> <p>Unit-IV Electromagnetic Induction and Alternating Currents Chapter-6: Electromagnetic Induction Chapter-7: Alternating Current</p> <p>Unit-V Electromagnetic Waves Chapter-8: Electromagnetic Waves</p> <p>Unit-VI Optics Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics</p> <p>Unit-VII Dual Nature of Radiation and Matter Chapter-11: Dual Nature of Radiation and Matter</p> <p>Unit-VIII Atoms and Nuclei Chapter-12: Atoms Chapter-13: Nuclei</p> <p>Unit-IX Electronic Devices Chapter-14: Semiconductor Electronics: Materials, Devices and Simple Circuits</p>

Chemistry (043)	1.Solutions 2 Electrochemistry 3 Chemical Kinetics 4 d -and f -Block Elements 5 Coordination Compounds 6 Haloalkanes and Haloarenes 7 Alcohols, Phenols and Ethers 8 Aldehydes, Ketones and Carboxylic Acids 9 Amines 10 Biomolecules
Computer Science(083)	Unit I: Computational Thinking and Programming – 2 <ul style="list-style-type: none"> ● Revision of Python topics covered in Class XI. ● Functions: ● Exception Handling ● Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths ● Text file ● Binary file ● CSV file ● Data Structure. Unit II: Computer Networks <ul style="list-style-type: none"> ● Evolution of networking: ● Data communication terminologies: ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) ● Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: t <ul style="list-style-type: none"> ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP ● Introduction to web services: Unit III: Database Management <ul style="list-style-type: none"> ● Database concepts: ● Relational data model ● Structured Query Language ● Interface of python with an SQL database:
Physical Education (048)	UNIT 1 Management of Sporting Events UNIT 2 Children and Women in Sports UNIT 3 Yoga as Preventive measure for Lifestyle Disease UNIT 4 Physical Education & Sports for (CWSN) UNIT 5 Sports & Nutrition UNIT 6 Test and Measurement in Sports UNIT 7 Physiology & Injuries in Sport UNIT 8 Biomechanics and Sports UNIT 9 Psychology and Sports UNIT 10 Training in Sports
Artificial Intelligence (843)	PART A :Employability Skills Unit 1: Communication Skills-IV Unit 2: Self-Management Skills-IV Unit 3: ICT Skills-IV Unit 4: Entrepreneurial Skills-IV Unit 5: Green Skills-IV PART B : Subject Specific Skills Unit 1: Capstone Project Unit 2: Model Lifecycle Unit 3: Storytelling Through Data

<p>NCC(076)</p>	<p>Ch:2 National Integation Ch:3 Drill Ch: 4 Weapon Training Ch:5 Personality Development & Leadership Ch:6Disater Management Ch:7 Social Awareness & Community Development Ch:9 Health & Hygiene Ch:10 Adventure Training & Obstacle Training Ch:11 Environmental Awarness Ch:12 Basic Organisation of Armed Forces Ch:13 Map Reading Ch:14 Field Craft/Battle Craft Ch:15 Introduction to infrantry Weapons & Equipments Ch:16 Milletry Histroy Ch:17 Communication</p>
<p>Painting (049)</p>	<p>Unit - Rajasthani and Pahari School of Art Unit 2- Mughal and Deccan school of Art Unit 3- Bengal School of Painting and Modern Trend in Indian Art</p>
<p>Psychology (037)</p>	<p>I Variations in Psychological Attributes II Self and Personality III Meeting Life Challenges IV Psychological Disorders V Therapeutic Approaches VI Attitude and Social Cognition VII Social Influence and Group Processes</p>


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