

**O. P. JINDAL SCHOOL, PATRATU (JH) 829 143, INDIA**Phone: 9264494490, JSPL ICM No.7405; website: <https://opjsptu.in>, e-mail: [opjs.patratu@jindalsteel.com](mailto:opjs.patratu@jindalsteel.com)**CALENDAR OF THE MONTH : JULY (CLASS- XII SCI)**

SUBJECT	NAME OF BOOK	PORTION
ENGLISH	FLAMINGO	L-3 DEEP WATER POEM- 2. A THING OF BEAUTY 3. A ROADSIDE STAND
	VISTAS	L-2 THE TIGER KING L-3. JOURNEY TO THE END OF THE EARTH
	POEM	
	WRITING SKILLS	
MATHEMATICS	NCERT	CH-02: INVERSE TRIGOMETRIC FUNCTIONS CH-05: CONTINUITY AND DIFFERENTIABILITY
PHYSICS	NCERT UNIT III: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM	CHAPTER-4: MOVING CHARGES AND MAGNETISM CONCEPT OF MAGNETIC FIELD, OERSTED'S EXPERIMENT. BIOT - SAVART LAW AND ITS APPLICATION TO CURRENT CARRYING CIRCULAR LOOP. AMPERE'S LAW AND ITS APPLICATIONS TO INFINITELY LONG STRAIGHT WIRE. STRAIGHT SOLENOID (ONLY QUALITATIVE TREATMENT), FORCE ON A MOVING CHARGE IN UNIFORM MAGNETIC AND ELECTRIC FIELDS. FORCE ON A CURRENT-CARRYING CONDUCTOR IN A UNIFORM MAGNETIC FIELD, FORCE BETWEEN TWO PARALLEL CURRENT-CARRYING CONDUCTORS- DEFINITION OF AMPERE, TORQUE EXPERIENCED BY A CURRENT LOOP IN UNIFORM MAGNETIC FIELD; CURRENT LOOP AS A MAGNETIC DIPOLE AND ITS MAGNETIC DIPOLE MOMENT, MOVING COIL GALVANOMETER- ITS CURRENT SENSITIVITY AND CONVERSION TO AMMETER AND VOLTMETER
CHEMISTRY	NCERT UNIT X: HALOALKANES AND HALOARENES	HALOALKANES: NOMENCLATURE, NATURE OF C-X BOND, PHYSICAL AND CHEMICAL PROPERTIES, OPTICAL ROTATION MECHANISM OF SUBSTITUTION REACTIONS. HALOARENES: NATURE OF C-X BOND, SUBSTITUTION REACTIONS (DIRECTIVE INFLUENCE OF HALOGEN IN MONOSUBSTITUTED COMPOUNDS ONLY). USES AND ENVIRONMENTAL EFFECTS OF - DICHLOROMETHANE, TRICHLOROMETHANE, TETRACHLOROMETHANE, IODOFORM, FREONS, DDT.
BIOLOGY	NCERT UNIT- 7 GENETICS AND EVOLUTION	HEREDITY AND VARIATION: MENDELIAN INHERITANCE; DEVIATIONS FROM MENDELISM - INCOMPLETE DOMINANCE, CO-DOMINANCE, MULTIPLE ALLELES AND INHERITANCE OF BLOOD GROUPS, PLEIOTROPY; ELEMENTARY IDEA OF POLYGENIC INHERITANCE; CHROMOSOME THEORY OF INHERITANCE; CHROMOSOMES AND GENES; SEX DETERMINATION - IN HUMANS, BIRDS AND HONEY BEE; LINKAGE AND CROSSING OVER; SEX LINKED INHERITANCE - HAEMOPHILIA, COLOUR BLINDNESS; MENDELIAN DISORDERS IN HUMANS - THALASSEMIA; CHROMOSOMAL DISORDERS IN HUMANS; DOWN'S SYNDROME, TURNER'S AND KLINEFELTER'S SYNDROMES.  CHAPTER-6: MOLECULAR BASIS OF INHERITANCE SEARCH FOR GENETIC MATERIAL AND DNA AS GENETIC MATERIAL; STRUCTURE OF DNA AND RNA; DNA PACKAGING; DNA REPLICATION; CENTRAL DOGMA; TRANSCRIPTION, GENETIC CODE, TRANSLATION; GENE EXPRESSION AND REGULATION - LAC OPERON; GENOME, HUMAN AND RICE GENOME PROJECTS; DNA FINGERPRINTING.
INFORMATICS PRACTICES	INFORMATICS PRACTICES	PLOTTING WITH PYPLOT (CONT.) MYSQL : SQL REVISION TOUR

**MONDAY TEST SCHEDULE**

SL #	DATE	SUBJECT
1	01-07-2024	-
2	08-07-2024	MATHEMATICS/BIOLOGY/ECONOMICS
3	15-07-2024	ENGLISH
4	22-07-2024	PHYSICS/ACCOUNTANCY
5	29-07-2024	CHEMISTRY/BUSINESS STUDIES

**Note: Missed Monday tests for April, May, and June may be held in the 2nd, 3rd, and 4th weeks of July with prior information to the students.**

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ECONOMICS	NCERT	CH-4 : HUMAN CAPITAL FORMATION CH- 5 : RURAL DEVELOPMENT
ACCOUNTANCY	T.S.Grewal	CH-3 : RETIREMENT AND DEAT OF PARTNER
BUSINESS STUDIES	NCERT	CH-3 : BUSINESS ENVIRONMENT
PHYSICAL EDUCATION	NCERT	CHAPTER NO 4 PHYSICAL EDUCATION AND SPORTS FOR CWSN. CHAPTER NO 5. SPORTS AND NUTRITION.

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