NEW INDIA AGENCIES

Office :
40/B-5, Vinayakar kovil Street, Kasthuripalayam,
Periyanaickenpalayam, S.R.K.V. (Post), Coimbatore - 641 020.

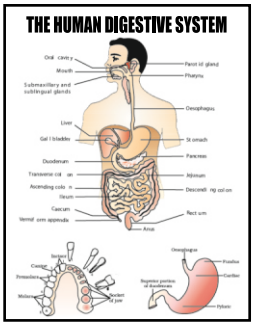
Factory :
3/48, R.G.Nagar, Kasthuripalayam, Jothipuram,
Coimbatore - 641 020.

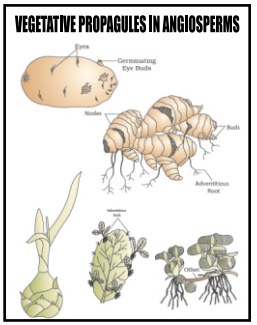
98422 62312, 96296 84269
94886 50860, 93605 60577

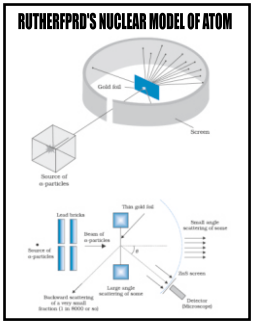
newindiaagencies2018@gmail.com

newindiaagencies.com

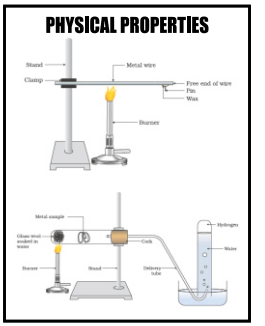
CBSE - SCIENCE

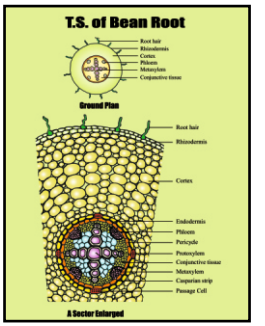


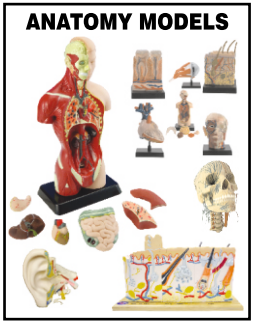




INDEX — PAGE







12th - SCIENCE

BIOLOGY

1. Reproduction

01. Approximate life spans of some organisms
02. Cell division in unicellular organism
03. Asexual reproductive structures
04. Vegetative propagules in angiosperms
05. • Types of gametes
    • Gamete Transfer
    • Embryogenesis

2. Sexual Reproduction in Flowering Plants

06. • A diagrammatic representation of L.S. of a flower
    • Stamen
07. Microsporogenesis
08. Pollen grain
09. The Pistil, Megasporangium (ovule)
10. Megasporogenesis
11. Kinds of Pollination
12. Agents of pollination
13. Pollen - Pistil interaction
14. Double Fertilisation
    Post Fertilisation : Structures and events
15. Seed

3. Human Reproduction

16. The male reproductive system
17. The female reproductive system
18. • A diagrammatic sectional view of mammary gland
    • The human foetus within the uterus
19. Gametogenesis
20. Schematic representation of Spermatogenesis, Oogenesis
21. Menstrual cycle
22. Fertilisation and implantation

4. Reproductive Health

23. Population explosion and birth control

5. Principles of inheritance and variation

24. Seven pairs of contrasting traits in pea plant studied by Mendel
25. Steps in making a cross in pea
26. Diagrammatic representation of monohybrid cross
27. A Punnett square used to understand a typical monohybrid cross conducted by Mendel between true-breeding tall plants and true-breeding dwarf plants
28. Diagrammatic representation of a test cross
29. Incomplete Dominance
30. Inheritance of two Genes
31. • Chromosomal Theory of Inheritance
    • Independent assortment of chromosomes
32. Linkage and Recombination
33. Sex Determination
34. • Pedigree analysis
    • Mendelian disorders
35. Sickle - Cell anaemia
36. Chromosomal disorders

6. Molecular Basis of Inheritance

37. • A Polynucleotide chain
    • Double stranded polynucleotide chain
38. • DNA double helix
    • Nucleosome
39. The Hershey-Chase experiment
40. Watson-Crick model for semiconservative DNA replication
41. Messelson and Stahl's Experiment
42. • Replicating Fork
    • Schematic structure of a transcription unit
43. Types of RNA and the process of transcription
44. • tRNA - the adapter molecule
    • Translation
45. The lac Operon
46. A representative diagram of human genome project
47. Schematic representation of DNA fingerprinting

7. Evolution

48. Diagrammatic representation of Miller's experiment
49. A family tree of dinosaurs and their living modern day counterpart organisms like crocodiles and birds

50. Example of homologous organs in Plants and Animals
51. • Variety of beaks of finches that Darwin found in Galapagos Island
    • Adaptive radiation of marsupials of Australia
52. Picture showing convergent evolution of Australian Marsupials and placental mammals
53. Hardy-Weinberg Principle
54. A sketch of the evolution of plant forms through geological periods
55. Representative evolutionary history of vertebrates through geological periods
56. Origin and Evolution of man

8. Human Health and Disease

57. Stages in the life cycle of Plasmodium
58. Structure of an antibody molecule
59. Replication of retrovirus
60. Drugs and Alcohol Abuse

9. Strategies for Enhancement in Food Production

61. Some Indian hybrid crops

10. Microbes in Human Welfare

62. • Bacteria, Viruses
    • Colonies of bacteria growing in a petri dish and Fungal colony growing in a petri dish
63. A typical biogas plant

11. Biotechnology : Principles and processes

64. Steps in formation of recombinant DNA by action of restriction endonuclease enzyme - EcoRI
65. Diagrammatic representation of recombinant DNA technology
66. • Separation and isolation of DNA fragments
    • Cloning Sites
67. Polymerase chain reaction (PCR)
68. Obtaining the Foreign Gene Product
69. • Bt cotton
    • Maturation of pro-insilin into insulin (simplified)
70. • Organism and its Environment
    • Populatio

1. Electric Charges and Fields

82. • Electric Charge
    • Electroscopes and Paper strip experiment
83. Charging by induction
84. Charles Augustin de Coulomb (1736 – 1806)
85. • Coulomb's law
    • Forces Between Multiple Charges
    • Electric field
    • Electric field due to a system of charges
86. Electric Field Lines
87. Electric Flux

12th - SCIENCE

88. •The field of an electric dipole
    •Dipole In A Uniform External Field
    •Continuous Charge Distribution
89. •Gauss's Law
    •Field due to an infinitely long straight uniformly charged wire
90. •Field due to a uniformly charged infinite plane sheet
    •Field due to a uniformly charged thin spherical shell

2. Electrostatic Potential And Capacitance

91. •Introduction
    •Electrostatic Potential
    •Potential due to a point charge
    •Potential due to an electric dipole
    •Potential due to a system of charges
92. •Equipotential Surfaces
    •Relation between field and potential
93. •Potential energy of a system of charges
    •Potential energy of a dipole in an external field
94. •Electric field at the surface of a charged conductor
    •Electrostatic shielding
95. Dielectrics And Polarisation
96. •Polar and Non-polar molecules
    •Uniformly polarised
97. •Capacitors And Capacitance
    •The Parallel Plate Capacitor
98. •Combination of capacitors
    •Energy stored in a capacitor
99. Van De Graaff Generator

3. Current Electricity

100. •Electric currents in conductors
     •Drift of electrons and the origin of resistivity
101. Georg Simon Ohm (1787–1854)
102. •Mobility
     •Limitations of Ohm's Law
103. Table - Resistivities of some materials
104. Table - Resistor Colour Codes
105. •Electrical Energy, Power
     •Combination of Resistors – series and Parallel
106. •Cells, Emf, Internal Resistance
     •Cells in Series and in Parallel
107. Gustav Robert Kirchhoff (1824 – 1887)
108. •Kirchhoff's Rules
     •Wheatstone Bridge
109. •Meter Bridge
     •Potentiometer

4. Moving Charges And Magnetism

110. •Introduction
     •Magnetic Field, Lorentz Force
     •Motion In A Magnetic Field
111. Hans Christian Oersted (1777–1851)
112. Hendrik Antoon Lorentz (1853 – 1928)
113. •Motion in combined electric and magnetic fields
     •Magnetic field due to a current Element, Biot-savart Law
114. •Magnetic field on the axis of a circular current loop
     •Ampere's Circuital Law
115. Andre Ampere (1775 – 1836)
116. The solenoid
117. •The toroid
     •Force Between Two Parallel Currents, The Ampere
118. Torque On Current Loop, Magnetic Dipole
119. The Moving Coil Galvanometer

5. Magnetism And Matter

120. The magnetic field lines
121. •Bar magnet as an equivalent solenoid
     •Ferromagnetism
     •Permanent Magnets And Electromagnets

6. Electromagnetic Induction

122. The Experiments Of Faraday And Henry
123. •Magnetic Flux
     •Faraday's Law Of Induction
     •Lenz's Law And Conservation Of Energy
124. •Josheph Henry [1797–1878]
     •Michael Faraday [1791–1867]

12th - SCIENCE

125. •Motional Electromotive Force
•Mutual inductance
126. Eddy Currents
127. Ac Generator

7. Alternating Current

128. •Ac Voltage Applied To A Resistor
•Representation Of Ac Current And Voltage By Rotating Vectors — Phasors
•Ac Voltage Applied To An Inductor
129. •Nicola Tesla (1836 – 1943)
•George Westinghouse (1846 – 1914)
130. Magnetisation and demagnetisation of an inductor
131. •Magnetism And Gauss's Law
•The Earth's Magnetism
•Magnetic declination and dip
132. •Diamagnetism
•AC Voltage Applied To A Capacitor
133. Charging and discharging of a capacitor
134. •AC Voltage Applied To A Series Lcr Circuit
•Phasor-diagram solution
135. LC Oscillations
136. Transformers

8. Electromagnetic Waves

137. •James Clerk Maxwell (1831 – 1879)
•Heinrich Rudolf Hertz (1857 – 1894)
138. Displacement Current
139. Electromagnetic Spectrum
140. •Table - Different Types of Electromagnetic Waves

9. Ray Optics And Optical Instruments

141. •Reflection Of Light By Spherical Mirrors
•Sign convention
142. Focal length of spherical mirrors
423. The mirror equation
144. Refraction
145. Total Internal Reflection
146. Total internal reflection in nature and its technological applications
147. •Refraction at spherical surfaces
•Tracing rays through convex lens and concave lens.
148. Refraction by a lens
149. •Power of a lens
•Combination of thin lenses in contact
•Refraction through a prism
150. Dispersion by a prism
151. •The rainbow
•Scattering of light
152. The eye
153. The microscope
154. Telescope

10. Wave Optics

155. Huygens Principle
156. •Refraction of a plane wave
•Refraction at a rarer medium
•Reflection of a plane wave by a plane surface
157. Coherent and Incoherent Addition of waves
158. Interference of light waves and young's experiment
159. The single slit
160. Resolving power of optical instruments
161. Polarisation
162. Thomas Young (1773 – 1829)

11. Dual Nature of Radiation And Matter

163. •Experimental study of photoelectric effect
•Effect of potential on photoelectric current
164. •Effect of potential on photoelectric current
•Effect of frequency of incident radiation on stopping potential
165. •Albert Einstein (1879 – 1955)
•Louis Victor de Broglie (1892 – 1987)
166. Davisson And Germer Experiment

12. Atoms

167. •Ernst Rutherford (1871 – 1937)
•Niels Henrik David Bohr (1885 – 1962)
168. Alpha-particle Scattering And Rutherford's Nuclear Model Of Atom
169. •Alpha-particle trajectory
•Atomic Spectra
•Spectral series
•Energy levels

170.• The Line Spectra Of The Hydrogen Atom
• De Broglie's Explanation of Bohr's second postulate of quantisation

13. Nuclei

171.• Nuclear binding energy
• Nuclear force
• Law of radioactive decay
• Gamma decay
172.Marie sklodowska curie (1867 - 1934)
173.Nuclear reactor

14. Semiconductor electronics : materials, devices and simple circuits

174.On the basis of energy bands
175.Intrinsic Semiconductor
176.Extrinsic Semiconductor
177.• P-n Junction
• Semiconductor Diode
178.p-n junction diode under forward bias
179.• Application Of Junction Diode As a Rectifier
180.• Zener diode
• Zener diode as a voltage regulator
• Photodiode
181.Solar cell
182.Transistor: structure and action
183.Common emitter transistor characteristics
184.• Transistor as a device
• Transistor as an Amplifier (CE-Configuration)
185.Feedback amplifier and transistor oscillator
186 • Logic gates
• Integrated Circuits

15. Communication Systems

187.Table - Some Major Milestones In The History Of Communication
188.Jagadis Chandra Bose (1858 – 1937)
189.• Block diagram of a generalised communication system
• Bandwidth Of Signals
190.• Sky waves
• Space wave
• Various propagation modes for em waves
191.Mixing up of signals from different transmitters
192.Production Of Amplitude Modulated Wave Detection Of Amplitude Modulated Wave

CHEMISTRY

1. The Solid State

193.• Amorphous and Crystalline Solids
• Covalent or Network solids
194. Table - Different Types of Solids
195.Crystal Lattices and Unit Cells
196.Table - Seven Primitive unit Cells and their Possible Variations as Centred Unit Cells
197.Unit Cells of 14 Types of Bravais Lattices
198.Number of Atoms in a Unit Cell
199.Close Packed Structures
200.Placing second layer over the first layer
201.Placing third layer over the second layer
202.Locating tetrahedral and octahedral voids
203.Packing Efficiency
204.Types of Point Defects
205.• Conduction of electricity in semiconductors
• Electron-deficit impurities

2. Solutions

206.• Solubility of a gas in a liquid
• values of Henry's Law Constant for some Selected Gases in water
207.Vapour Pressure of Liquid Solutions
208.Colligative properties and determination of molar mass

3. Electrochemistry

209.Electrochemical cells
210.• Measurement of electrode potential
• Measurement of the conductivity of ionic solutions
211.Table - Standard electrode potentials at 298K
212.Batteries

4. Chemical Kinetics

213.Rate of a chemical reaction
214.Temperature dependence of the rate of a reaction

12th - SCIENCE

5. Surface Chemistry

215. • Adsorption of reacting molecules, formation of intermediate and desorption of products
• Mechanism of enzyme catalysed reaction
216. Classification based on type of particles of the dispersed phase, multimolecular, macromolecular and associated colloids
217. • Preparation of colloids
• Purification of colloidal solutions
218. • Tyndall effect
• Electrophoresis
219. Emulsions

6. General Principles and Processes of Isolation of Elements

220. • Magnetic separation (schematic)
• Froth floatation process (schematic)
221. A section of a modern reverberatory furnace
222. Gibbs energy vs T plots (schematic) for formation of some oxides (Ellingham diagram)
223. Blast furnace
224. Electrolytic cell for the extraction of aluminium
225. • Zone refining process
• Schematic diagrams showing column chromatography
226. Table - A Summary of the Occurrence and Extraction of some Metals is presented in the following

7. The p-Block Elements

227. Flow chart for the manufacture of ammonia
228. Table - Oxides of Nitrogen
229. Table - Structures of Oxides of Nitrogen
230. Phosphorus allotropic forms
231. Table - Oxoacids of phosphorus
232. Structures of some important
233. • Sulphur allotropic forms
• Oxoacids of sulphur
234. Flow diagram for the manufacture of sulphuric acid
235. Table - Atomic and physical properties of halogens
236. The structures of axoacids of chlorine
237. Table - Some properties of interhalogen compounds
238. Xenon - Oxygen compounds

8. The d- and f- Block Elements

239. Table - Outer electronic configuration of the transition (Ground State)
240. General properties of the transition elements (d-blok)
241. • Trends in atomic radii of transition elements
242. • Table - Electronic configurations and some other properties of the first series of transition elements
243. Table - Trends in the M^{2+} /M standard electrode potentials
244. • Table - Formulas of halides of 3D metals
• Oxides of 3D metals
245. • Table - Calculated and observed magnetic moments (BM)
• Colours of Some of the row (aquated transition metal ions)
246. Oxides and oxoanions of metals
247. Trends in ionic radii of lanthanoids
248. Table - Electronic configurations and radii of lanthanum and lanthanoids
249. Chemical reactions of the lanthanoids
250. • Table - Some properties of actinium and actinoids
• Oxidation states of actinium and actinoids

9. Coordination Compounds

251. • Geometrical isomers
• Optical isomers
252. Valence Bond Theory
253. • d orbital splitting in an octahedral crystal field
• d orbital splitting in an tetrahedral crystal field
254. Bonding in metal carbonyls
255. Elements, their atomic number and molar mass
256. Some useful conversion factors

12th - SCIENCE

257. • Table - Relationship between the wavelength of light absorbed and the colour observed in some coordination entities
• Aqueous solutions of complexes of nicken (II) with an increasing number of ethane 1, 2 diamine ligands
258. Standard potentials at 298K in electrochemical order
259. Logarithms Part-I
260. Logarithms Part-II
261. Antilogarithms Part - I
262. Antilogarithms Part - I

10. Haloalkanes and Haloarences

263. Table - Common and IUPAC Names of some Halides
264. Table - Nucleophilic Substitution of AIKyI Halids $R\text{-}X + Nu^- \longrightarrow R\text{-}Nu + X^-$
265. • Red dot represents the incoming hydroxide ion and green dot represents the outgoing halide ion
• Steric effects in S_N2 reaction. the relative rate of S_N2 reaction is given in Parenthesis
• A Chiral molecule and its mirror image

11. Alcohols, Phenols and Ethers

266. • Table - Common and IUPAC Names of some Ethers, Alcohols
• Table - pK_a Values of some Phenols and Ethanol

12. Aldehydes, Ketones and Carboxylic Acids

267. Table - Common and IUPAC Names of Some Aldehydes and Ketones
268. Structure of the Carbonyl Group
269. Nucleophilic attack on carbonyl Carbon
270. some N-Substituted Derivatives of Aldehydes and Ketones (>C=N-Z)
271. Table - Names and Structures of some Carboxylic Acids

13. Amines

272. Pyramidal Shape of trimethylamine
273. Table - Nomenclature of some Alkylamines and Arylamines
274. • Table - Comparison of Boiling Points of Amines, Alcohols and Alkanes of Similar Molecular Masses
• Table - pK_b Values of Amines in Aqueous Phase

14. Biomolecules

275. Table - Natural Amino Acids
276. • α-Helix Structure of Proteins
• β-Pleated sheet structure of proteins
277. Diagrammatic representation of protein structure (two sub-units of two types in quaternary structure)
278. Primary, secondary, tertiary and quaternary structure of haemoglobin
279. Some important Vitamins, their Sources and their Deficiency Diseases
280. • Structure of (a) a nucleoside and (b) a nucleotide
• Formation of a dinucleotide
281. Double strand helix structure for DNA

15. Polymers

282. Table - Some other commercially Important Polymers

16. Chemistry in Everyday Life

283. Enzymes as Drug Targets
284. Receptors as Drug targets
285. Artificial Sweeteners Agents

General Charts

286. Table - Elements, their Atomic number and Molar mass
287. Some useful conversion factors
288. Standard potentials at 298K in electrochemical order
289. Logarithms - Part I
290. Logarithms - Part II
291. Antilogarithms - Part I
292. Antilogarithms - Part II

11th - SCIENCE

BIOLOGY

Unit I : Diversity in the living world

1. The Living World

293. Pictures showing animals in different Zoological parks of India

2. Biological Classification

294. • Bacteria of different shapes
• A filamentous blue-green algae-Nostoc
• A dividing bacterium
• Euglene and paramoecium
295. Tobacco Mosaic Virus (TMV) and Bacteriophage

3. Plant Kingdom

296. Algae
297. Bryophytes
298. Pteridophytes
299. • Gymnosperms
• Angiosperms
300. Life cycle of an angiosperm
301. Life cycle patterns

4. Animal Kingdom

302. Radial and Bilateral symmetry Showing germinal layers
303. Coelom
304. Phylum - Porifera
305. Phylum - Coelenterata (Cnidaria)
306. • Phylum - Ctenophora
• Phylum - Platyhelminthes
307. • Phylum - Aschelminthes
• Phylum - Annelida
308. • Phylum - Arthropoda
• Phylum - Mollusca
309. • Phylum - Echinodermata
• Phylum - Hemichordata
• Phylum - Chordata
310. • Phylum - Arthropoda
• Phylum - Mollusca
311. • Phylum - Echinodermata
• Phylum - Hemichordata
• Phylum - Chordata
• Phylum - Ascidia
312. • A jawless vertebrate - Petromyzon
• Example of cartilaginous fishes
• Example of Bony fishes
313. • Example of Amphibia
• Reptilia
314. • Some birds
• Some mammals

Unit II - Structural organisation in plants and animals

5. Morphology of flowering plants

315. • Parts of a flowering plant
• Different types of roots
• The regions of the root-tip
316. Modification of root
317. Modification of stem
318. • Structure of a leaf
• Compound leaves
319. • Different types of phyllotaxy
• Modifications of leaf
320. • Racemose and Cymose inflorescence
• Position of floral parts on thalamus
321. • Parts of a flower
• Types of aestivation in corolla
322. Types of placentation
323. • Part of a Fruit
• Structure of dicotyledonous seed
• Structure of a monocotyledonous seed
324. • Pisum sativum (Pea) plant
• Solanum nigrum (makoi) plant
325. • Floral Diagram with floral formula
• Allium cepa (onion) plant

6. Anatomy of Flowering Plants

326. Apical meristem.
327. • Simple tissues
• Xylem and Phloem
328. • Diagrammatic representation
• Various types
329. T.S. Dicot root
330. T.S. Monocot root
331. T.S. of stem Dicot
332. T.S. of stem monocot
333. T.S. of leaf Dicot and Monocot

11th - SCIENCE

334. Secondary growth in a dicot stem (diagrammatic) - stages in transverse views
335. Lenticel and Bark
336. Different stages of the secondary growth in a typical dicot root

7. Structural Organisation in Animals

337. Simple epithelium
338. Glandular and Compound epithelium
339. Loose and Dense connective tissues
340. Specialised connective tissues
341. Muscle and Neural tissues
342. Body of earthworm
343. Alimentary canal of earthworm
344. •Closed circulatory system
•Nephridial system in earthworm
345. Reproductive system of earthworm
346. •External features of cockroach
•Head region of cockroach
347. •Alimentary canal of cockroach
•Open circulatory system of cockroach
348. Reproductive system of cockroach male and female
349. Diagrammatic representation of internal organs of frog showing complete digestive system
350. Frog male and female reproductive system

Unit III - Structure and functions

8. Cell : The Unit of Life

351. Diagram showing different shapes of the cells
352. Prokaryotic sells
353. Plant cell
354. Animal cell
355. Fluid mosaic model of plasma membrane
356. Endoplasmic reticulum and Golgi apparatus
357. •Structure of mitochondrion (Longitudinal section)
•Sectional view of chloroplast
358. •Diagrammatic representation of internal structure
•Types of chromosomes based on the position of centromere

9. Biomolecules

359. Diagrammatic representation of small molecular weight organic compounds in living tissues
360. •Diagrammatic representation of a portion of glycogon
•Structure of proteins
361. •Diagram indicating secondary structure of DNA
•Concept of activation energy

10. Cell Cycle and Cell Division

362. Diagrammatic view of stages in mitosis
363. Stages of meiosis - I
364. Stages of meiosis - II

11. Transport in Plants

365. Facilitated diffusion
366. Osmosis
367. •Pathway of water movement in the root
•Symplastic and apoplastic pathway of water and ion absorption and movement in roots
368. Transpiration
369. Diagrammatic presentation of mechanism of translocation

12. Mineral Nutrition

370. Methods to study the mineral Requirements of Plants
371. The nitrogen cycle showing relationship between the three main nitrogen pools-atmospherc soil and biomass
372. Development of root nodules in soyabean
373. Steps of conversion of atmospheric nitrogen to ammonia by nitrogenase enzyme complex found in nitrogen-fixing bacteria

13. Photosynthesis in Higher Plants

374. •Priestley's experiment
•Diagrammatic representation of an electron micrograph of a section of chloroplast
375. •The light harvesting complex
•Z scheme of light reaction
376. •Cyclic photophosphorylation
•ATP synthesis through chemiosmosis

11th - SCIENCE

377. The calvin cycle proceeds in three stages
378. Diagrammatic representation of the hatch and slack pathway

14. Respiration in Plants

379. Steps of glycolysis
380. • Major pathway of anaerobic respiration
• The citric acid cycle
381. • Electron Transport System (ETS)
• Diagramatic presentation of ATP Synthesis in mitochondria

15. Plant Growth and Development

382. Germination and seedling development in bean
383. • Plant growth generally is indeterminate
• Phases of growth
384. Diagrammatic representation
385. • Diagrammatic comparison of absolute and relative growth rates
• Heterophylly
386. • The Discovery of Plant Growth Regulators
• Apical dominance in plants
387. Photoperiodism

16. Digestion and Absorption

388. The Human digestive system
389. • Arrangement of different types of teeth in the jaws on one side and the sockets on the other side
• Anatomical regions of human stomach
390. • Diagrammatic representation of transverse section of gut
• A section of small intestinal mucosa showing Villi
391. The duct systems of liver gall bladder and pancreas

17. Breathing and Exchange of Gases

392. • Diagrammatic view of human respiratory system (Section view of the left lung is also shown)
• Mechanism of breathing showing
393. • Diagrammatic representation of exchange of gases at the alveolus and the body tissues with blood and transport of oxygen carbon dioxide
• A diagram of a section an alveolus with a pulmonary capillary

18. Body Fluids and Circulation

394. • Diagrammatic representation of formed elements in blood
• Blood groups and donor compatibility
395. • Section of a human heart
396. • Schematic plan of blood circulation in human

19. Excretory products and Their Elimination

397. • Human Urinary system
• Longitudinal section (Diagrammatic) of Kidney
398. • A diagrammatic representation of a nephron showing blood vessels duct and tubule
• Malpighian body (renal corpuscle)
399. Reabsorption and secretion of major substances at different parts of the nephron (Arrows indicate direction of movement of materials)
400. Diagrammatic representation of a nephron and vasa recta showing counter current mechanisms

20. Locomotion And Movement

401. Diagrammatic cross sectional view of a muscle showing muscle bundles and muscle fibres
402. • An actin (thin) filament (b) Myosin monomer (Meromyosin)
• Stages in cross bridge formation, rotation of head and breaking of cross bridge
403. Diagrammatic view of human skull
404. Vertebral column (right lateral view) Ribs and rib cage
405. • Right pectoral girdle and upper arm (frontal view)
• Right pelvic girdle and lower limb bones (frontal view)

21. Neural Control And Coordination

406. Structure of a neuron
407. Diagram showing axon terminal and synapse
408. Diagram showing sagital section of the human brain
409. Diagrammatic presentation of reflex action (showing knee jerk reflex)
410. Diagram showing parts of an eye
411. Diagrammatic view of ear
412. Diagrammatic representation of the sectional view of cochlea

22. Chemical Coordination and Integration

413. • Location of endocrine glands
• Diagrammatic representation of pituitary and its relationship with hypothalamus
414. • Diagrammatic view of the position of Thyroid and Parathyroid
• Diagrammatic representation of Adrenal gland above kidney and Section showing two parts of adrenal gland
415. Diagrammatic representation of the mechanism of hormone action (Protein and Steroid hormone)

PHYSICS

1. Physical World

416. Scope and excitement of physics
417. Albert Einstein (1879 -1955)
418. Satyendranath Bose (1894-1974)
419. Sir C.V.Raman (1888-1970)

2. Units and Measurement

420. •The international system of units
•Measurement of large distances
421. •Table - range and order of lengths, messes and time intervals

3. Motion in a Straight line

422. •Displacement
•Average velocity and average speed
423. •Instantaneous velocity and speed
•Acceleration
424. Kinematic equations for uniformly accelerated motion
425. Relative velocity

4. Motion in a Plane

426. •Position and displacement vectors
•Equality of vectors
•Multiplication of vectors by real numbers
427. Addition and subtraction of vectors-graphical method
428. •Resolution of vectors
•Vector addition - analytical method
429. Position vector and displacement
430. •Acceleration
•Relative velocity in two dimensions
431. •Projectile motion
•Equation of path of a projectile
•Uniform circular motion

5. Laws of Motion

432. The law of inertia
433. •Newton's first, second and third law of motion
434. Galileo galilei (1564-1642)
435. Isaac Newton (1642-1727)
436. •Conservation of momentum
•Equilibrium of a particle
•Common forces in mechanics
437. •Friction
•Rolling friction
438. •Circular motion
•Solving problems in mechanics

6. Work, Energy and Power

439. •The scalar product
•Work
•Work done by a variable force
•The conservation of mechanical energy
440. The potential energy of a spring
441. Table - Approximate energy associated with various phenomena

7. Systems of Particles and Rotational Motion

442. What kind of a motion can a rigid body have?-part-1

443. What kind of a motion can a rigid body have?-part-2
444. Centre of mass
445. • Linear momentum of a system of particles
• Definition of vector product
446. Angular velocity and its relation with linear velocity
447. • Moment of force (torque)
• Equilibrium of a rigid body
448. • Centre of gravity
• Moment of inertia
449. Table - moments of inertia of some regular shaped bodies about specific axes
450. • Theorem of perpendicular axes
• Theorem of parallel axes
451. • Kinematics of rotational motion about a fixed axis
• Dynamics of rotational motion about a fixed axis
• Rolling motion
• Kinetic energy of rolling motion

8. Gravitation

452. Kepler's Laws
453. Johannes kepler (1571-1630)
454. Universal law of gravitation
455. • The gravitational constant
• Acceleration due to gravity of the earth, below and above the surface of earth
456. • Gravitational potential energy
• Geostationary and polar satellites

9. Mechanical Properties of Solids

457. • Elastic behaviour of solids
• Stress and Strain
458. • Determination of young's modulus of the material of a wire
• Shear modulus
• Applications of elastic behaviour of a materials

10. Mechanical Properties of Fluids

459. • Pressure
• Pascal's law
• Variation of pressure with depth
460. • Atmospheric pressure and gauge pressure
• Hydraulic machines
461. Streamline flow
462. • Bernoulli's principle
• Speed of efflux: Torricelli's law
463. • Venturi- meter
• Dynamic lift
464. Viscosity
465. • Surface energy
• Surface energy and surface tension
466. • Angle of contact
• Drops and bubbles
• Capillary rise
467. Detergents and surface tension

11. Thermal Properties of Matter

468. • Measurement of temperature
• Ideal-Gas equation and absolute temperature
469. Thermal expansion
470. Change of state
471. • Heat transfer
• Conduction
• Convection
472. Newton's law of cooling

12. Thermodynamics

473. Zeroth law of thermodynamics
474. • Heat, Internal Energy and Work
• Thermodynamic state variables and equation of state
• Thermodynamic processe
475. • Heat engines
• Refrigerators and heat punps
• Carnot engine

13. Kinetic Theory

476. Behaviour of gases
477. • John dalton (1766-1844)
• Amedeo avogadro (1776-1856)
478. • Jemes clerk maxwell (1831-1879)
• Ludwig boltzmann (1844-1906)
479. • Kinetic interpretation of temperature
• Law of equipartition of energy
• Mean free path

14. Oscillations

480. • Periodic and oscillatory motions
• Displacement

481. Simple harmonic motion
482. • Simple harmonic motion and uniform circular motion
• Velocity and acceleration in simple harmonic motion
483. • Force law for simple harmonic motion
• energy in simple harmonic motion
484. • Oscillations due to a spring
• The simple pendulum
485. • Damped simple harmonic motion
• Forced oscillations and resonance

15. Waves

486. • Introduction
• Transverse and longitudinal waves
487. • Displacement relation in a progressive wave
• Period, angular frequency and frequency
488. • The speed of a travelling wave
• The principle of superposition of waves
• Reflection of waves
489. Standing waves and normal modes
490. Beats

General Charts

491. • Some important constants
• Other useful constants
492. Conversion factors (2 charts)
493. Mathematical formulae (2 charts)
494. Some SI derived units expressed in SI base units
495. SI Derived units with special names
496. Some SI Derived units expressed by means of SI units with special names
497. Dimensional formulae of physical quantities (Set of 6 charts)

CHEMISTRY

1. Some Basic Concepts of Chemistry

498. Nature of matter
499. Mass and weight
500. Volume, Density, Temperature
501. • Avogadro Law
• Formula mass

2. Structure Of Atom

502. Discovery of Electron
503. Charge to mass ratio of electron
504. Millikan's oil drop method
505. Rutherford's nuclear model of atom
506. Wave nature of electromagnetic radiation
507. • Photoelectric effect
• Wavelength-intensity relationship
508. Emission and absorption spectra
509. Shapes of atomic orbitals
510. Energies of orbitals
511. Filling of orbitals in Atom
512. Electronic configurations of the elements - I
513. Electronic configurations of the elements - II

3. Classification of Elements And Periodicity in properties

514. Mendeleev's periodic table published earlier
515. Table - nomenclature of elements with atomic numbers>100
516. Long form of the periodic table
517. Trends in physical properties (atomic radius)
518. Trends in physical properties (Ionization enthalpy)
519. Trends in physical properties (Electronegativity)

4. Chemical bonding and molecular structure

520. • Covalent bond
• The lewis representation of some molecules
521. • Ionic or electrovalent bond
• Bond parameters
522. Geometry of molecules in which the central atom has no lone pair of electrons
523. Shape (geometry) of some simple molecules/ions with central ions having one or more lone pairs of electrons(E)
524. Shapes of molecules containing bond pair and lone pair
525. Valence bond theory
526. Overlapping of atomic orbitals
527. Types of overlapping and nature of covalent bonds

11th - SCIENCE

528. Types of hybridisation
529. Other examples of sp^3, sp^2 and sp hybridisation
530. •Hybridisation of elements involving d orbitals
•Formation of molecular orbitals linear combination of atomic orbitals (LCAO)
531. Energy level diagram for molecular orbitals
532. MO occupancy and molecular properties for B_2 through Ne_2

5. States of Matter

533. •Dispersion forces or london forces
•Dipole - dipole forces
•Dipole-induced dipole forces
534. •The gas laws
•Charle's law (temperature - Volume relationship)
•Gay lussac's law (pressure- temperature relationship)
535. •Behaviour of real gases: deviation from Ideal gas behaviour
•Liquifaction of gases
•Vapour pressure

6. Thermodynamics

536. •Types of the system
•The internal energy as a state function
537. Measurement of □u And □h : Calorimetry
538. •Table - standard molar enthalpies of formation ($□_f H^{\ominus}$) at 298K of a few selected substances
•Table - standard enthalpy changes of fusion and vaporisation
539. Enthalpy of solutions symbol : $□_{sol} H^{\ominus}$
540. Entropy and spontaneity

7. Equilibrium

541. Acids, Bases And Salts
542. •The solubility product constants, K_{sp} of
•Some common ionic salts at 298K.
543. Standard potentials at 298K in Electrochemical order

8. Redox Reactions

544. •Competitive electron transfer reactions
•Redox reactions and electrode processes
545. Table - The standard electrode potentials at 298K

9. Hydrogen

546. •Structure of water
•Structure of ice

10. The s -block Elements

547. Atomic and physical properties of the alkali and earth metals

11. The p - Block Elements

548. •Diamond
•Fullerenes

12. Organic Chemistry - Some Basic Principles And Techniques

549. Some functional groups and classes of organic compounds
550. •Simple distillation
•Fractional distillation
551. •Distillation under reduced pressure
•Steam distillation.
552. •Column chromatography
•Thin layer chromatography
•Partition chromatography
553. Carbon and hydrogen
554. •Nitrogen (Dumas method)
•Nitrogen (Kjeldahl method)

13. Hydrocarbons

555. Nomenclature and Isomerism
556. Write structures of different isomeric alkyl groups corresponding to the molecular formula C_5H_{11}. Write IUPAC names of alcohols obtained by attachment of - OH groups at different carbons of the chain.
557. Nomenclature of a few organic compounds
558. Structure of double and triple bond
559. Resonance and stability of benzene

14. Environmental Chemistry

560. Acid Deposition
561. Photochemical smog occurs where Sunlight acts on Vehicle Pollutants

General Charts

562. Table - Elements, their atomic number and molar mass
563. • Table - Specific and molar heat capacities some substances at 298K and one atmospheric pressure
• Molar heat capacities for some gases(J/mol)
564. Physical constants
565. Some useful conversion factors
566. Thermodynamic data at 298K - Inorganic substances ***(set of 6 charts)***
567. Thermodynamic data at 298K - Organic compounds ***(set of 2 charts)***
568. Standard potentials at 298K in electrochemical order

10th - SCIENCE

BIOLOGY

1. Life Processes

569. Autotrophic Nutrition
570. • How do Organisms Obtain their Nutrition?
• Nutrition in Human Beings
571. Respiration
572. Transportation
573. Excretion

2. Control and Coordination

574. Animals-Nervous System
575. • Reflex arc
• Human Brain
576. Hormones in animals

3. How do Organisms Reproduce?

577. • Fission
• Regeneration
• Budding
578. Sexual Reproduction in Flowering Plants
579. Male and Female Reproductive System

4. Heredity and Evolution

580. Independent inheritance of two Separate traits, shape and Colour of seeds
581. Sex Determination
582. An Illustration
583. • Tracing Evolutionary Relationships
• Fossils
584. Evolution by Stages

6. Our Environment

585. Food chain in nature
586. Food web, consisting of many food chains

CHEMISTRY

1. Chemical Reactions and Equations

587. • Burning of a magnesium ribbon in air and collection of magnesium oxide in a watch-glass
• Formation of hydrogen gas by the action of dilute sulphuric acid on zinc
588. Combination Reaction
589. Decomposition Reaction
590. Displacement reaction
591. • Double Displacement reaction
• Oxidation and Reduction
592. Chemical 32 Equations

2. Acids, Bases and Salts

593. • Reaction of zinc granules with dilute sulphuric acid and testing hydrogen gas by burning
• Passing carbon dioxide gas through calcium hydroxide solution.
594. • Acid solution in water conducts electricity
• Preparation of HC1 gas
595. • Variation of pH with the change in concentration of H+ (aq) and H-(aq) ions
• Important products from the chlor-alkali process
• Removing water of crystallisation

3. Metals and Non-metals

596. • Metals are good conductors of heat
• Action of steam on a metal
597. • Reaction of metals with salt solutions
• Activity series: Relative reactivities of metals
598. How do metals and non-metals react?
599. Properties of lonic compounds

600. Steps involved in the extraction of metals from ores
601. • Electrolytic refining
• Corrosion

4. Carbon and its Compounds

602. • Triple bond between two nitrogen atoms
• Electron dot structure for methane
603. Table - Nomenclature of functional groups
604. Saturated and Unsaturated Carbon Compounds
605. Table - Formulae and structures of saturated compounds of carbon and hydrogen
606. • Formation of ester
• Formation of micelles
607. • Effect of soap in cleaning

5. Periodic Classification of Elements

608. Mendeleev's Periodic Table
609. Modern Periodic Table

PHYSICS

1. Light – Reflection and Refraction

610. Concave mirror and Convex mirror
611. Representation of Images Formed by Spherical Mirrors Using Ray Diagrams
612. Ray diagrams for the image formation by a concave and convex mirror
613. Mirror formulae and magnification
614. • Refraction by spherical lenses
• Image formation in lenses using ray diagrams
615. • The position, size and the nature of the image formed by a convex lens for various positions of the object
• Nature, position and relative size of the image formed by a concave lens

2. The Human Eye and the Colourful World

616. • The human eye
• Defects of vision and their correction
617. Refraction of light through a triangular glass prism
618. • Dispersion of white light by a glass prism
• Atmospheric refraction
619. Colour of the Sun at Sunrise and Sunset

3. Electricity

620. Table - Symbols of some commonly used components in circuit diagrams
621. Ohm's law
622. • Factors on which the resistance of a conductor depends
623. • Resistors in series
• Resistors in parallel
624. Heating effect of electric current

4. Magnetic Effects of Electric Current

625. Magnetic field and field lines
626. • Magnetic field due to a current carrying conductor and current trough a straight conductor
• Right hand thumb rule
627. • Magnetic field due to a current through a circular loop
• Magnetic field due to a current in a solenoid
628. Force on a current-carrying conductor in a magnetic field
629. • Electric motor
• Electric generator
630. • Electromagnetic induction
• Domestic electric circuits

5. Sources of Energy

631. • Fossil fuels
• Hydro power plants
632. Bio-mass and windmill
633. • Solar energy
• A solar cell panel

6. Management of Natural Resources

634. Water Harvesting

9th - SCIENCE

BIOLOGY

1. The Fundamental Unit Of Life

635. Compound microscope
636. • Various cells from the human body
• Prokaryotic cell
637. Animal cell
638. Plant cell

2. Tissues

639. Section of a stem
640. Various types of simple tissues
641. Types of complex tissue
642. Location of muscle fibres
643. Different types of epithelial tissues
644. Types of connective tissues
645. • Types of muscles fibres
• Neuron-unit of nervous tissue

3. Diversity in living organisms

646. • Monera
• Fungi
647. Protista
648. The Five Kingdom classification
649. Thallophyta
650. • Bryophyta
• Pteridophyta
651. • Gymnosperms
• Angiosperms
652. Classification of plants
653. • Porifera
• Coelenterata
654. • Platyhelminthes
• Nematoda
• Annelida
655. Arthropoda
656. Mollusca
657. Echinodermata
658. Protochordata
659. Pisces-Part-1
660. Pisces-Part-2
661. Amphibia
662. Reptillia
663. Aves (birds)
664. Mammalia
665. Classification of animals

CHEMISTRY

1. Matter in Our Surroundings

666. Physical nature of matter
667. The gaseous state
668. Effect of change of temperature
669. Effect of change of pressure

2. Is matter around us pure

670. • Types of mixtures
• What is a colloidal solution?
671. • Evaporation
• Separation of immiscible liquids
• Separation of ammonium chloride and salt by sublimation
• Separation of dyes in black ink using chromatography
672. Separation of components of air
673. Water purification system in water works
674. • Separation of two miscible liquids by distillation
• Fractional distillation

3. Atoms And Molecules

675. Relationship between mole, Avogadro number and mass

4. Structure of the Atom

676. • Thomson's model of an atom
• Rutherford's modal of an atom
• Bohr's model of atom
677. Schematic atomic structure of the first eighteen elements
678. Table - Composition of atoms of the first eighteen elements with electron distribution in various shells

PHYSICS

1. Motion

679. Distance-time graphs
680. Velocity-time graphs
681. Uniform Circular Motion

2. Force and laws of motion
682. • Balanced and unbalanced forces
• First law of motion
683. Conservation of momentum

3. Work and Energy
684. Work done by a constant force
685. • Kinetic energy & Potential energy
• Potential energy of an object at a height

4. Sound
686. • Reflection of Sound
• Uses of multiple reflection of sound
• Application of ultrasound
687. Characteristics of a sound wave
688. • Production and propagation of sound
• Sound waves are longitudinal waves
689. Structure of Human Ear

5. Why do we fall ill
690. Means of spread

6. Natural resources
691. Water cycle
692. Nitrogen cycle
693. Carbon cycle
694. Oxygen cycle

7. Improvement in food resources
695. Different types of crops
696. Inland fisheries

8th - SCIENCE

1. Crop Production And Management
697. • Showing
• Weeding
698. Harvesting, threshing and winnowing
699. Nitrogen cycle

2. Microorganisms : Friend And Foe
700. • Different types of bacteria
• Some Protozoa
701. Different types of algae
702. Types of viruses
703. • Some plants infected by fungi
• Trypanosoma

3. Synthetic Fibres and Plastics
704. Types of fibres

4. Materials : Metals and Non-metals
705. Metals and non metals
706. Table - Differences between metals and non metals

5. Coal and Petroleum
707. Fractional distillation of petroleum

6. Combustion and Flame
708. Structure of a flame

7. Conservation of Plants and Animals
709. Flora and fauna

8. Cell - Structure and Functions
710. A light microscope
711. Some microscopic organisms
712. The Organisation of the circulatory system
713. Different types of cells in the animal kingdom and plant kingdom
714. Comparative sizes of different cells
715. Comparison of plant and animal cells

9. Reproduction in Animals
716. Male reproductive organs
717. Female reproductive organs
718. • The process of fertilisation
• Growth and development
719. Development of embryo
720. The life cycle of a butterfly

10. Reaching The Age of Adolescence
721. • Sex determination in humans
• Position of endocrine glands in the human body

11. Force and Pressure
722. Types of forces

12. Friction
723. Types of friction

13. Sound
724. Sound producing instruments
725. • Producing sounds
• A simple pendulum
726. Electric bell experiment

14. Chemical effects of electric current
727. Electric charge and electric current
728. Sources of electric current
729. Conductors and Insulators

15. Some Natural Phenomena
730. The story of lighting
731. Lightning Conductor
732. Structure of earth
733. Movements of earth's plates
734. • A Seismograph
• Map of the earthquake

16. Light
735. Plane Mirrors
736. Multiple Reflection by two mirrors
737. The Kaleidoscope
738. Dispersion
739. The Human Eye

17. Stars and The Solar System
740. Stars and Galaxies
741. The Solar System
742. Some earthquake - proof building designs

18. Pollution of Air and Water
743. Air Pollution
744. Water Pollution

7th - SCIENCE

01. Nutrition in Plants
745. • Cells
• Food Production in Green Plants
746. • Parasitic Plants
• Insectivorous Plants
• Saprotrophs
• Replenishing soil Nutrients

2. Nutrition in Animals
747. • Herbivores: giraffe, horse, zebra & monkey
• Omnivores: bear, ants and frog
• Carnivores: shark, owl and tiger
748. Human Digestive System
749. • The mouth
• The Tongue
• Tongue-taste regions
750. • The oesophagus or food pipe
• Process of ingestion of food
• The large intestine
751. • Digestion in grass-eating animals or ruminants
• Feeding and Digestion in amoeba

3. Fibre to Fabric
752. Wool
753. Processing Fibres into Wool
754. Silk
755. Life cycle of the Silkworm

4. Heat
756. • Dipping fingers in water at three different temperatures
• Temperature scales
757. • The Clinical thermometer
• The laboratory thermometer
758. Conduction, convection, radiation
759. • Sea and land breezes
• Colour and heat

5. Acids, Bases and Salts
760. • Fruits containing acids
• Soaps and Baking Powder
761. Testing for acids and bases
762. • Acid-base neutralisation
• Neutralisation reactions in everyday life

6. Physical and Chemical Changes
763. Physical and Chemical Changes

7. Weather, Climate and Adaptations of Animals to Climate

764. Weather & The sun and the Weather
765. India climatic map
766. Climate and Adaptation

08. Winds, Storms and Cyclones

767. Air pressure
768. Air expands on heating
769. • Thunderstorms and Cyclones
• Cyclone Warning
• Tornadoes

09. Soil

770. • Soil Profile
• Soil Types
771. Properties of Soil
772. • Soil type and Crops
• Soil erosion

10. Respiration in Organisms

773. • Energy for Cells
• Breathing
774. The machanism of breathing
775. • How other animals breathe
• Breathing under water

11. Transportation in Animals and Plants

776. The human Circulatory system
777. • The human heart
• Cross section of the heart
778. Blood circulation : veins and arteries
779. • Human Excretory system
• Silk showing Sweat glands, root cell and hair

12. Reproduction in Plants

780. Modes of reproduction
781. Asexual reproduction
782. Sexual reproduction
783. Fruit and seed formation

13. Motion and Time

784. • Simple pendulum
• Galileo's observations
785. • Units of time
• Measuring speed
786. Time-distance graph

14. Electric Current and its Effects

787. • Symbols of electrical components
• Connecting Cells
788. • The electrical circuit
• Heating effect of electric Current
789. • Short circuits and Overloads
• Electromagnets
790. • The electrical bell

15. Light

791. • Reflection of light
• Right or Left?
792. • Spherical mirrors
• Concave mirrors
• Convex mirrors
793. Images formed by lenses
794. Colours of Sunlight

16. Water : A Precious Resource

795. Water Cycle
796. Depleting ground water
797. Rain map of india
798. Rainwater harvesting

17. Forests : Our Lifeline

799. Green lungs
800. Insects on the forest floor
801. Forest rain and groundwater recharge
802. Role of forests in our life
803. Forest food chain
804. A walk through a forest

18. Recycling Wastewater Story

805. • Sewage treatment plant
• Water filtration
806. • Harzardous waste
• Materials that need to be recycled

6th - SCIENCE

1. Where does it come From
807. Food from Plants and Animals

2. Components of Food
808. Nutrients
809. Balanced Diet

3. Fibre to Fabric
810. • Cotton
• Jute
811. • Wool
• Silk

4. Sorting Materials into Groups
812. Molecules in the three states of matter

5. Separation of Substances
813. Separation of solids from solids
814. • Sedimentation and decantation
• Water works & filters

06. Changes Around Us
815. The molecules of water do not change during change of state-only the distance between them changes
816. Could there be other ways to Bring a change?

7. Getting to know Plants
817. Flowering Plants
818. The root system
819. The shoot system
820. Modifications of the stem
821. The leaf and Modifications of the leaf
822. • Parts of a flower
• Fertilisation
823. Seed and Fruit

8. Body Movements
824. The human Skeleton
825. Joints and Movements at Joints
826. Movement in other animals

9. The Living Organisms and Their Surroundings
827. Different natural environments
828. Adaptations
829. Adaptations in Desert Habitals
830. Adaptations in cold weather (tunder and mountain habitals)
831. Adaptations in Tropical rainforest habitals

10. Motion and Measurement of Distances
832. Means of Transportation
833. Types of motion

11. Light Shadows and Reflections
834. Rectilinear Propagation of Light
835. Shadows
836. Eclipses
837. Formation of images

12. Electricity and Circuits
838. Electric Current
839. Electric Circuit
840. Inside View of a torch

13. Fun with Magnets
841. • Natural and artificial magnets
• Uses of Magnets

14. Water
842. Sources of Water
843. The Water Cycle
844. Rainwater Harvesting

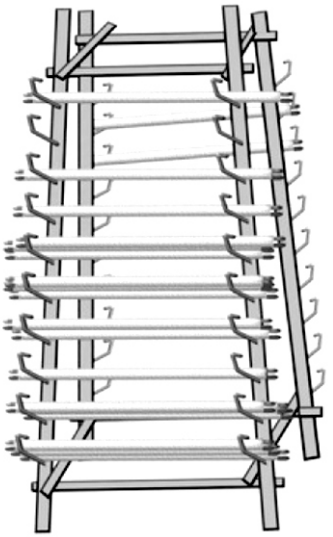
15. Air Around Us
845. Air Pollution
846. Oxygen cycle

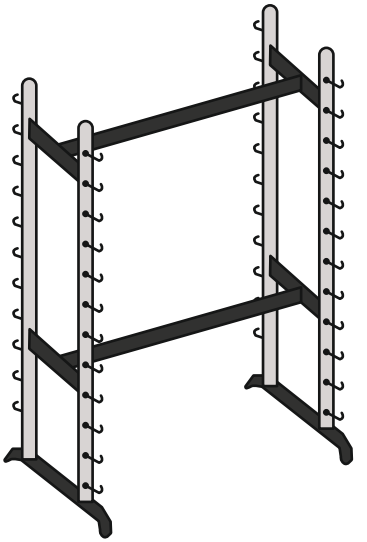
Rexine Size : 27x36 inch - Rs.250, 36x48 inch - Rs.350

HUMAN ANATOMY CHARTS

01. Human Skeleton
02. Human Skeleton Joints And Limbs
03. Human Heart
04. Human Arterial System
05. Human Venous System
06. Human Digestive System
07. Human Respiratory System
08. Human Excretory System
09. Human Brain
10. Human Spinal Cord
11. Human Skin
12. Human Ear And Viscera
13. Human Eye
14. Human Endocrine Glands
15. Human Reproductive System
16. Human Nervous System
17. Human Muscular System
18. Human Nose
19. Human Tongue
20. Human Muscles
21. Human Cartilage & Bone
22. Human Blood
23. Human Blood Groups
24. Human Embryo Development I
25. Human Embryo Development II
26. Human Lymphatic System
27. Human Teeth
28. Human Menstrual Cycle
29. Human Immunity System
30. Human Body
31. Human Ovum
32. Human Vascular System
33. Human Blood - I (R.B.C.)
34. Human Blood - II (W.B.C.)
35. Human Sperm
36. Human Senses Organ
37. Human Neuron
38. Human Nephron
39. Human Endocrine Glands : Function
40. Human Liver & Pancreas
41. Human Circulatory System

Map Storage Stand





- Map Storage Stand Superior Quality With Provision Of 150 Maps.
- Display excellent images of maps and relevant information about various places all over the world
- Usage/ Application School, Colleges, Laboratory
- We offer an excellent range of Map Storage Stand that finds wide uses in various schools, colleges, educational

CHARTS WILL BE PREPARED AND SUPPLIED AS PER THE REQUIREMENTS OF TEACHERS

Date :

Total Charts :

Amount :

Signature of the Principal