

BOARD OF SECONDARY EDUCATION, RAJASTHAN-AJMER

Revised syllabus for Exam-2021

CLASS-10th
SUBJECT-SCIENCE
SUB.CODE) -07

The examination scheme for the subject is as follows-

PAPER	TIME	MARKS OF THE PAPER	SESSIONAL	TOTAL MARKS
ONE	3:15	80	20	100

Unit-1 Human body and activities	17
Chapter-1 Food and human health	5
1.1 Balanced and unbalanced food	
1.2 Human health	
1.3 Toxic substance	
1.4 Adulteration in food product	
Chapter-2 Human system	5
2.1 Digestive system	
2.2 Respiration and respiratory system	
2.3 Blood and circulatory system	
2.4 Excretory system	
2.5 Reproductive system	
Chapter-3 Genetics	4
3.1 Mendelism	
3.2 Rediscovery of Mendelism	
3.3 Genetics terminology	
3.4 Mendel's law of inheritance	
3.5 Importance of Mendel's law of inheritance and	
Chapter-4 Immunity and blood groups	3
4.1 Antigen and antibody	
4.2 Blood and blood groups	
4.3 RH factor	
4.4 Blood transfusion	
4.5 Significance of blood group heredity	
4.6 Organ donation and body donation	
Unit-2 Substances and reactions	16
Chapter-5 chemistry in everyday life	9
5.1 Acid, base and salt	
5.2 PH scale	
5.3 Importance of PH in daily life	
5.4 Some useful compounds in everyday life	
5.5 Soap and detergent	

Chapter-6 Chemical reaction and catalyst

7

- 6.1 Physical and chemical changes
- 6.2 Chemical Equation
- 6.3 Chemical reaction
- 6.4 Oxidation and reduction
- 6.5 Neutralization
- 6.6 Catalyst

CHAPTER-7 DELETED

CHAPTER-8 DELETED

Unit-3 Physical Events

15

Chapter-9 Light

8

- 9.1 Reflection of light
- 9.2 Laws of reflection
- 9.3 Spherical mirror
- 9.4 Image formation in spherical mirror
- 9.5 Mirror formula
- 9.6 Magnification
- 9.7 Refraction
- 9.8 Refraction through spherical lens
- 9.9 Formation of image by lens
- 9.10 Power of lens

CHAPTER-10 DELETED

CHAPTER-11 Work Energy and Power

7

- 11.1 Work
- 11.1.1 Power
- 11.1.2 Electric power

Unit-4 Physical Events (Natural resources)

12

CHAPTER-12 Main Natural resources

6

- 12.1 Meaning of natural resources
- 12.2 Types of natural resources
- 12.3 Management of natural resources
- 12.4 Conservation of wild life
- 12.5 Conservation of coal and petroleum
- 12.6 Participation of people in conservation of natural resources

CHAPTER-13 DELETED

CHAPTER-14 Economic importance of plants animals

6

- 14.1 Economic importance of plants
- 14.2 Economic importance of animals

Unit-5 Earth and space

12

CHAPTER-15 Structure of Earth

6

- 15.1 Origin and evolution of Earth
- 15.2 Structure of Earth
- 15.3 Energy system of Earth

CHAPTER-16 DELETED

CHAPTER-17 DELETED

CHAPTER-18 Indian scientists:Biography and achievements

6

- 18.1 Sushrut
- 18.2 Charak
- 18.3 C.V. Raman
- 18.4 Homi Jehangir Bhabha
- 18.5 Prafulla Chandra Roy
- 18.6 Dr. Panchanan Maheshwari
- 18.7 Dr. Salim Ali
- 18.9 Dr. A.P.J. Abdul Kalam

Unit-6 Environment

8

CHAPTER-19 Biodiversity and Conservation of biodiversity

- 19.1 Levels of biodiversity
- 19.2 Global biodiversity
- 19.3 Biodiversity of India
- 19.4 Biodiversity Hotspots
- 19.5 Importance of biodiversity
- 19.6 Threats of biodiversity
- 19.7 Conservation of biodiversity

Book: SCIENCE Board of Secondary Education, Rajasthan-Ajmer



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BOOK -SCIENCE

Unit No. and name	Chapter no. & Name	Title and subject content
UNIT-1 HUMAN BODY AND ACTIVITIES	2 : Human system	2.6 Nervous and Endocrine system 2.6.1 Endocrine system
UNIT-2 SUBSTANCES AND REACTIONS	7 : Atomic theory, Periodic classification and properties of elements	7.1 Atomic theory of Dalton 7.2 Atomic model of Thomson 7.3 Rutherford's gold foil experiments 7.4 Hypothesis of Neil's Bohr 7.5 Necessity of classification 7.6 Classification 7.6 Mendeleef's periodic table 7.7 Modern periodic table 7.8 Periodicity in properties 7.9 Valency 7.10 Atomic size 7.11 Metallic and non-metallic properties
UNIT-2 SUBSTANCES AND REACTIONS	8 : Carbon and its compounds	8.1 Characteristics of carbon atom 8.2 Hydrocarbon and its classification 8.3 Nomenclature of organic compounds 8.4 Allotropes of carbon 8.5 Some important organic compounds useful in daily life
UNIT-3 PHYSICAL EVENTS	9: Light	9.11 Defects in eye vision and their corrections
UNIT-3 PHYSICAL EVENTS	10 : Electric current	10.1 Electric current 10.2 Unit of Electric current 10.3 Potential and potential difference 10.4 Electric symbols useful equipments in electrical circuits 10.5 Ohm's law 10.6 Resistance 10.7 Resistance 10.8 Combination of resistances 10.9 Thermal effect of current 10.10 Magnetic effect of current 10.11 Direction of magnetic field 10.12 Magnetic field and field lines 10.13 Electro-magnetic induction

		10.14 Electric current generator
UNIT-3 PHYSICAL EVENTS	11 :Work, Energy and Power	11.2 Energy 11.3 Types of Energy 11.4 Mechanical Energy 11.5 Kinetic Energy 11.6 Potential Energy 11.7 Electrical Energy 11.8 Conservation of Energy 11.9 Dissipation of energy 11.10 Reducing energy dissipation
UNIT-4 NATURAL RESOURCES)	13 : Waste and its management	13.1 Waste 13.2 Types of waste 13.3 Sources of waste 13.4 Losses due to waste 13.5 Waste management
UNIT-5 EARTH AND SPACE	16: Universe and Organic Evolution	16.1 Origin of universe 16.2 Indian cosmology 16.3 Theory 16.4 Fossils – origin and types 16.5 Organic evolution 16.6 Origin of species 16.7 Phylogeny
UNIT-5 EARTH AND SPACE	17 :Search of life outside of Earth	17.1 Position of earth in space 17.2 Possibilities of life in space 17.3 Main space campaign 17.4 India in space 17.5 International space station
UNIT-7 ROAD SAFETY	20: Road safety Education	COMPLETE CHAPTER