

# RBSE Class 11 Biology Reduced Portion 2021



## Board of Secondary Education Rajasthan, Ajmer Revised Syllabus for Examination 2021

Subject : Biology  
Subject Code: 42  
Class : 11<sup>th</sup> (2020-21)

Book of Name: Biology (Theoretical)

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**Unit – 1 Diversity in the Living World**

**Chapter – 1 The Living World**

- 1.2 Diversity in the living world
- 1.3 Taxonomic Aids

**Chapter – 2 Biological Classification**

- 2.1 Kingdom Monera
- 2.2 Kingdom Protista
- 2.3 Kingdom Fungi
- 2.4 Kingdom Plantae
- 2.5 Kingdom Animalia

**Chapter – 3 Plant Kingdom**

- 3.1 Algae
- 3.2 Bryophytes
- 3.3 Pteridophytes
- 3.4 Gymnosperms
- 3.6 Plant life cycles and alternation of generations

**Chapter – 4 Animals Kingdom**

- 4.1 Basis of classification
- 4.2 Classification of animals

**Unit – 2 Structural Organization in Plant & animals**

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**Chapter – 5 Morphology of Flowering Plants**

- 5.4 The inflorescence
- 5.5 The flower
- 5.8 Semi-technical description of a typical flowering plant
- 5.9 Description of some important families – (Solanaceae), (Liliaceae)

**Chapter – 7 Structural Organization in animals**

- 7.1 Animal tissues

**Unit – 3 Cell Structure & Functions**

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**Chapter – 8 Cell: The Unit of Life**

- 8.1 What is a cell
- 8.2 Cell theory
- 8.3 An overview of cell

	8.4	Prokaryotic cells	
	8.5	Eukaryotic cells	
<b>Chapter – 9</b>		<b>Biomolecules</b>	
	9.1	How to analyse chemical composition	
	9.2	Primary & secondary metabolites	
	9.3	Bio-macro-molecules	
	9.4	Proteins	
	9.5	Polysaccharides	
	9.6	Nucleic Acids	
	9.7	Structures of proteins	
	9.8	Nature of bond linking monomers in a polymer	
	9.9	Dynamic state of body constituents- concept of metabolism	
	9.10	Metabolic basis for living	
	9.11	The living state	
	9.12	Enzymes	
<b>Chapter – 10</b>		<b>Cell Cycle and Cell Division</b>	
	10.2	Cell cycle	
	10.2	M-phases	
	10.3	Significance of mitosis	
	10.4	Meiosis	
	10.5	Significance of meiosis	
<b>Unit –4</b>		<b>Plant Physiology</b>	<b>18</b>
<b>Chapter – 13</b>		<b>Photo-synthesis in Higher Plants</b>	
	13.3	Where does photo-synthesis take place	
	13.4	How many pigments are involved in photosynthesis	
	13.5	What is light reaction	
	13.6	The electron transport	
	13.7	Where are the ATP and NADPH used?	
	13.8	The C <sub>4</sub> -Pathway	
	13.9	Photo-respiration	
<b>Chapter – 14</b>		<b>Respiration in Plants</b>	
	14.2	Glycolysis	
	14.3	Fermentation	
	14.4	Aerobic respiration	
	14.7	Respiratory Quotient	
<b>Chapter – 15</b>		<b>Plant Growth and Development</b>	
	15.4	Plant growth regulators	
<b>Unit –5</b>		<b>Human Physiology</b>	<b>18</b>
<b>Chapter – 16</b>		<b>Digestion and Absorption</b>	
	16.1	Digestive system	
	16.2	Digestion of food	
	16.3	Absorption of digested products	
<b>Chapter – 17</b>		<b>Breathing and Exchange Gases</b>	
	17.1	Respiratory organs	
	17.2	Mechanism of breathing	

- 17.3 Exchange of gases
- 17.4 Transport of gases
- Chapter – 18 Body Fluids and Circulation**
  - 18.1 Blood
  - 18.2 Lymph (Tissue fluid)
  - 18.3 Circulatory pathways
  - 18.4 Double circulation
  - 18.5 Regulation of cardiac activity
  - 18.6 Dis-orders of circulatory system
- Chapter – 19 Excretory Products and Their Eliminations**
  - 19.1 Human excretory system
  - 19.2 Urine formation
  - 19.3 Function of the tubules
- Chapter – 20 Locomotion and Movement**
  - 20.2 Muscle
  - 20.4 Joints
- Chapter – 21 Neural Control and Coordination**
  - 21.1 Neural system
  - 21.2 Human neural system
  - 21.3 Neuron as structural and functional-unit of neural system
  - 21.4 Central neural system
- Chapter – 22 Chemical Coordination And Integration**
  - 22.2 Human Endocrine system
  - 22.3 Hormones of heart, kidney and gastro intestinal
  - 22.4 Mechanism of hormone action