

**Science 2**

**Marks Simple Workable Difficult**

**Lesson 01 Heredity & Evolution**

Heredity & Hereditary Changes				
Transcription, Translocation & Translation				
Evolution				
Evidences & Evolution				
1. Morphological				
2. Anatomical				
3. Vestigial Organs				
4. Paleontological				
5. Connecting Links				
6. Embryological				
Darwin's theory of natural selection				
Lamarckism				
Speciation				
Human Evolution				

**Lesson 02 Life processes in Living Organisms I**

Living organisms & Life Processes				
Living Organisms & energy production				
Energy production through Anaerobic respiration in Microorganisms				
Energy from different food components				
Cell Division: Meiosis				
Mitosis				

**Lesson 03 Life Processes in Living Organisms II**

Asexual reproduction				
Sexual production				
Reproduction in Modern technology				
Reproductive Health				

**Lesson 04 Environmental Management**

Ecosystem- e review				
Relationship between Environment & Ecosystem				
Environmental Conservation				
Need of Environmental Conservation				
Environmental Conservation & Biodiversity				
Hotspots of Biodiversity				
Classification of Threatened Species				

**Lesson 05 Towards Green Energy**

Energy & Its Use				
Generation of Electrical Energy				
Thermal Energy based electric power station				
Power Plant on Nuclear Energy				
Power generation plant based on energy of natural gas				
Electric energy generation & environment				
Hydroelectric energy				
Electricity generation using wind energy				
Electric energy generation using solar energy				

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Lesson 06	<b>Introduction of Microbiology</b>				
	Solar Thermal Power Plant				
	Applied Microbiology				
	Industrial Microbiology				
	Industrial Microbiology: Main Features Products Organic acids used in various commercial products & microbes useful for same				
Lesson 07	<b>Cell Biology &amp; Bio-technology</b>				
	Cytology				
	Stem Cells				
	Biotechnology				
	Commercial applications of biotechnology				
	White revolution				
	Blue revolution Fertilizers				
Lesson 08	<b>Social Health</b>				
	Social Health				
	Factors disturbing the social health				
	Communication Media & excessive use of Modern Technology Stress Management				
Lesson 09	<b>Disaster Management</b>				
	Disasters				
	Effects of Disasters				
	nature & Scope of Disasters				
	Disaster Management				
	Structure of Disaster				
	Management Authority				
	First Aid & Emergency Action Mock Drill				



