

<p>Unit 4 : Applied Biology</p>	<ol style="list-style-type: none"> 1. Explains correlation between diseases and health. 2. Identify and elaborate various types and effects of Addictions. 3. Elaborate the role of microbes in food production. 4. Describes, compare, review different techniques developed for betterment of life. 5. Understand applications of technology used to overcome problems in daily life. 6. Suggest remedial measures for improvement of social health. 7. Describe and suggest career opportunities in the fields of dairy, poultry and other field. 8. Explain role of microbes in upcoming fields as Biocontrol agents, Sewage treatment, Nanotechnology. 9. Elaborate the need of bio technology.
<p>Unit 5 : Ecology and Environment</p>	<ol style="list-style-type: none"> 1. Explains the correlation, interaction and effect of environment on organisms. 2. Understand and explain the relationship in ecosystem, role of energy flow. 3. Analyze, understand and explain environmental issues and their impact. 4. Contribute, plan and implement programs about conservation of environment. 5. Use information gathered to save biodiversity, find remedies to solve environmental issues.

Contents

Sr. No.	Name of the lesson	Page No.
1.	Reproduction in Lower and Higher Plants	1-17
2.	Reproduction in Lower and Higher Animals	18-48
3.	Inheritance and Variation	49-69
4.	Molecular Basis of Inheritance	70-93
5.	Origin and Evolution of Life	94-118
6.	Plant Water Relation	119-133
7.	Plant Growth and Mineral Nutrition	134-152
8.	Respiration and Circulation	153-181
9.	Control and Co-ordination	182-220
10.	Human Health and Diseases	221-245
11.	Enhancement of Food Production	246-271
12.	Biotechnology	272-292
13.	Organisms and Populations	293-307
14.	Ecosystems and Energy Flow	308-320
15.	Biodiversity, Conservation and Environmental Issues	321-342

DISCLAIMER Note : All attempts have been made to contact copy right/s (©) but we have not heard from them. We will be pleased to acknowledge the copy right holder (s) in our next edition if we learn from them.