



**MAYO COLLEGE**  
**Academic Curriculum - 2021-22**  
**Subject - Biology**  
**CLASS – XII**

<b>ASSESSMENT 1</b>	<b>ASSESSMENT 2</b>	<b>HALF YEARLY</b>	<b>PRE BOARDS</b>
<p><b><u>UNIT-1 Reproduction</u></b></p> <ul style="list-style-type: none"><li>• Reproduction in organisms.</li><li>• Sexual reproduction in Flowering plants.</li><li>• Human reproduction.</li></ul> <p>Reproductive health.</p>	<p><b><u>UNIT-2 Genetics &amp; Evolution</u></b></p> <ul style="list-style-type: none"><li>• Principles of inheritance and variation.</li><li>• Molecular basis of inheritance.</li><li>• Evolution.</li></ul> <p><b><u>UNIT-3 Biology &amp; human Welfare</u></b></p> <ul style="list-style-type: none"><li>• Human health and Diseases.</li><li>• Strategies for enhancement in food resources.</li><li>• Microbes in human welfare.</li></ul>	<p><b><u>UNIT-4 Biotechnology and its application</u></b></p> <ul style="list-style-type: none"><li>• Biotechnology- Principles and processes.</li><li>• Biotechnology and its Applications.</li></ul> <p><b><u>UNIT-5 Ecology and Environment</u></b></p> <ul style="list-style-type: none"><li>• Organisms and populations.</li><li>• Ecosystem.</li><li>• Biodiversity and Conservation.</li><li>• Environmental Issues.</li></ul>	<p><b><u>Board conducted exams from Full syllabus</u></b></p>



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ASSESSMENT 1	ASSESSMENT 2	HALF YEARLY	FINALS
<ul style="list-style-type: none"><li>• <u>Human Physiology-</u> Digestion &amp; absorption Breathing &amp; Exchange of Gases Body Fluids &amp; Circulation Excretory Products &amp; their Elimination</li></ul>	<ul style="list-style-type: none"><li>• <u>Human Physiology-</u> Locomotion &amp; Movement Neural control &amp; Coordination Chemical coordination &amp; Integration<ul style="list-style-type: none"><li>• Plant Physiology- Transport in Plants Mineral Nutrition Photosynthesis</li></ul></li></ul>	<ul style="list-style-type: none"><li>• <u>Plant Physiology-</u> Respiration in Plants Plant Growth &amp; Development<ul style="list-style-type: none"><li>• <u>Cell: Structure and Functions-</u> Cell- Unit of life Biomolecules Cell cycle &amp; Cell division With previous rolled on syllabus</li></ul></li></ul>	<ul style="list-style-type: none"><li>• <u>Diversity in Living World-</u> The Living World Biological Classification Plant Kingdom Animal Kingdom<ul style="list-style-type: none"><li>• <u>Structural Organization in Plants and Animals-</u> Morphology of Flowering Plants Anatomy of Flowering Plants Structural Organization in Animals [ Selected portions]</li></ul></li></ul>



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<b>PERIODIC ASSESSMENT – 1</b>	<b>PERIODIC ASSESSMENT - 2</b>	<b>PERIODIC ASSESSMENT – 3</b>	<b>PRE BOARD</b>
<ul style="list-style-type: none"><li>• Life Processes: All concepts</li></ul>	<ul style="list-style-type: none"><li>• Control &amp; Coordination:</li><li>• Heredity &amp; Evolution All concepts</li></ul>	<ul style="list-style-type: none"><li>• How do Organisms Reproduce</li><li>• Our Environment:</li><li>• Management of Natural Resources: All concepts With previous syllabus</li></ul>	<p><b><u>Board conducted exams from</u></b> <b><u>Full syllabus</u></b></p>



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**CLASS – IX**

<b>ASSESSMENT 1</b>	<b>ASSESSMENT 2</b>	<b>HALF YEARLY</b>	<b>FINALS</b>
<ul style="list-style-type: none"><li>• Fundamental Unit of Life: All concepts</li></ul>	<ul style="list-style-type: none"><li>• Tissues: All concepts</li></ul>	<ul style="list-style-type: none"><li>• Why do we fall ill: All concepts With previous rolled on concepts</li></ul>	<ul style="list-style-type: none"><li>• Natural Resources- Biogeochemical cycles and Ozone layer with REVISION Also- previous rolled on syllabus</li></ul>



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**CLASS – VIII**

<b>ASSESSMENT 1</b>	<b>ASSESSMENT 2</b>	<b>HALF YEARLY</b>	<b>FINALS</b>
<ul style="list-style-type: none"><li>• Cell- Structure &amp; Functions:</li><li>• U1- Plants: All Concepts</li></ul>	<ul style="list-style-type: none"><li>• U2- Living things in their environment: 2.1 Plant Adaptation to 2.5 Decomposers</li></ul>	<ul style="list-style-type: none"><li>• U2- Living things in their environment: 2.6 Populations to 2.9 Protecting the environment</li><li>• U3- Variations &amp; Inheritance: 3.1 Keys to 3.5 Selective Breeding</li></ul>	<ul style="list-style-type: none"><li>• U3- Variations &amp; Inheritance: 3.6 Natural Selection to 3.8 Charles Darwin with <b>REVISION</b></li></ul>