

**Rayat Shikshan Sanstha's  
Mahatma Phule Mahavidyalaya, Pimpri, Pune-17  
Department of Botany 2021-22**

**Program outcomes and Program specific outcomes**

**Program outcomes of B.Sc.**

<b>Name of the Department</b>	<b>Program outcome</b>
<b>Botany</b>	<p><b>PO1.</b> Understood the basic concepts, fundamental principles and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.</p> <p><b>PO2.</b> Acquired the knowledge with facts and figures related to various subjects in pure sciences such as Chemistry, Botany, Zoology, Microbiology, Physics Mathematics, etc.</p> <p><b>PO3.</b> Acquired the skills in handling scientific instruments, planning and performing in laboratory experiments.</p> <p><b>PO4.</b> The skills of observations and drawing logical inferences from the scientific experiments.</p> <p><b>PO5.</b> Analysed the given scientific data critically and systematically and the ability to draw the objective conclusions.</p> <p><b>PO6.</b> Think creatively to propose novel ideas in explaining facts and figures or providing new ideas or new solutions to the problems.</p> <p><b>PO7.</b> Realized the knowledge of subjects in other faculties such as humanities, performing arts, social sciences etc. can have greatly and effectively influence which inspires in evolving new scientific theories and inventions.</p>

	<p><b>PO8.</b> Developed various communication skills such as reading, listening, speaking, etc., which will help in expressing ideas and views clearly and effectively.</p> <p><b>PO9.</b> Imbided ethical, moral and social values in personal and social life leading to highly cultured and civilised personality.</p> <p><b>PO10.</b> Developed flair by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.</p>
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### **Program specific outcomes**

<b>Name of the Department</b>	<b>Program specific outcome</b>
<b>Botany</b>	<p><b>PSO1.</b> Plant diversity such as algae, bryophytes, pteridophytes, gymnosperm and angiosperm which indicates the evolution of plants.</p> <p><b>PSO2.</b> Environmental problems along with finding solutions.</p> <p><b>PSO3.</b> Various aspects and disciplines of plant study such as plant anatomy, plant physiology, embryology, etc.</p> <p><b>PSO4.</b> Different types of nutrition which are applied in growth of plants.</p> <p><b>PSO5.</b> Characteristics of various plants to study identification classification and nomenclature under taxonomy and to know evolutionary relationship between different plant groups.</p>