



यशवंतराव चव्हाण शिक्षण प्रसारक मंडळाचे

दादासाहेब दिगंबर शंकर पाटील

कला, वाणिज्य व विज्ञान महाविद्यालय, एरंडोल, जि. जळगाव

YASHWANTRAO CHAVAN SHIKSHAN PRASARAK MANDAL'S

DADASAHEB DIGAMBAR SHANKAR PATIL

ARTS, COMMERCE & SCIENCE COLLEGE, ERANDOL DIST. JALGAON

Website-www.ddsp.ac.in

E-Mail -ddspcera@rediffmail.com

ISO 9001 : 2015

Dr. A. J. Patil (M. E., Ph. D.)

Principal

DEPARTMENT OF BOTANY

CLASS	COURSE	OUTCOMES
F.Y.B.Sc. (Botany);	Paper: I: Bot. 101: Microbial Diversity, Algae & Fungi	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To Study, Describe and explain the diversity among Microbes. 2. To study and Explain the systematic, morphology & structure of Bacteria, Viruses, Algae & Fungi. 3. To study, Describe and explain the life cycle pattern of Bacteria, Viruses, Algae and Fungi. 4. To study, Describe and explain the useful and harmful activities of Bacteria, Viruses, Algae and Fungi. 5. Student also participating in activities like seminars, quiz, debate, assignments, field work, study Project & models etc. are part of curriculum for all units in all papers.
	Paper: II: Bot. 102: Plant Taxonomy	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To Study, Describe and explain diversity of angiosperms. 2. To study, Describe and explain the comparative account among the families of angiosperms. 3. To study, Describe and explain the economic importance of the angiospermic plants. 4. To study, Describe and explain the distinguishing features of angiosperm families.
	Paper: III: Bot. 103: Practical (Based on Bot.101 and Bot.102)	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To get experimental knowledge of Microbial Diversity, Algae & Fungi and Plant Taxonomy. 2. Study of equipments used in botany. 3. Student also participating in Short or long excursion tour and visit to any botanical garden.
F.Y.B.Sc.	Paper: I: Bot.	The specific objectives of this course are to expose students to the

(Botany)	201: Diversity of Archegoniates	following topics and Students who successfully complete this course will be able to: 1. To Study, Describe and explain salient features of Archegoniates. 2. To Study and explain the status of higher cryptogams& gymnosperms as a group in plant kingdom. 3. To Study, Describe and explain the life cycles of selected genera.
	Paper: II: Bot. 202: Plant Ecology	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know scope and importance of the discipline. 2. To Study, Describe and explain plant communities and ecological adaptations in plants. 3. To Study, Describe and explain about conservation of biodiversity. 4. To Study, Describe and explain botanical regions of India and vegetationtypes of Maharashtra.
	Paper: III: Bot. 103: Practical (Based on Bot.101 and Bot.102)	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To get experimental knowledge of Microbial Diversity, Algae & Fungi and Plant Taxonomy. 2. Study of equipments used in botany. 3. Student also participating in Short or long excursion tour and visit to any botanical garden.
S.Y.B.Sc. (Botany)	Paper: I: BOT. 301: Plant Anatomy	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know scope and importance of plant anatomy 2. To study various tissue systems and To know primary structure of dicot and monocot plants 3. To study normal secondary growth in plants and their causes 4. To study protective tissue system
	Paper: II: BOT.302: Plant Physiology	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know importance and scope of plant physiology. 2. To study plant and plant cell in relation to water. 3. To study different process in relation with structure of organism and its environment. 4. To understand mechanism of absorption of water, gases and solutes. 5. To understand growth at various level.
	Paper: III: BOT. 303:Practical (Based on BOT. 301 and BOT. 302)	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To get experimental knowledge of Plant Anatomy and Plant Physiology. 2. Study of equipments used in botany. 3. Student also participating in Short or long excursion tour and visit to any botanical garden. 4. Subject Code and Subject:
	Paper : IV : Skill	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able

	Enhancement Course (Sec): Bot. 304: Mushroom Culture Technology.	to: 1. To learn the history, scope and importance of mushroom technology 2. To understand nutritional and medicinal values of edible mushrooms 3. To know about the storage, marketing and various food preparations of mushrooms. 4. To understand the economics of mushroom cultivation.
S.Y.B.Sc. (Botany)	Paper: I: BOT. 401: Plant Embryology	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know the scope and Importance of Embryology 2. To study structure of micro and megasporangium. 3. To study pollination, fertilization, Endosperm and Embryogeny. 4. To give exposure of techniques in embryology
	Paper: II: BOT. 402 : Plant Metabolism	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know the scope and importance of plant metabolism. 2. To study the properties, mechanism and classification of enzymes. 3. To study the process of photosynthesis in higher plants, C3, C4 and CAM pathways. 4. To study respiration in higher plants.
	Paper: III: BOT.403: Practical (Based on BOT. 401 and BOT. 402)	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To get experimental knowledge of Plant Embryology and Plant Metabolism. 2. Study of equipments used in botany. 3. Student also participating in Short or long excursion tour and visit to any botanical garden. 4. Subject Code and Subject:
	Paper: IV: Skill Enhancement Course (Sec): Bot.404: Nursery And Gardening	The specific objectives of this course are to expose students to the following topics and Students who successfully complete this course will be able to: 1. To know the concept of nursery and Gardening. 2. To improve the skills for growing fresh and safe vegetables. 3. To create awareness about home gardening. 4. To develop different skills regarding the gardening operations among the students

ANIL JANARDHAN PATIL

Digitally signed by ANIL JANARDHAN PATIL
Date: 2023.06.24 19:32:38 +05'30'