

GANPAT UNIVERSITY									
FACULTY OF AGRICULTURE, ALLIED SCIENCES & TECHNOLOGY									
Programme		B.Sc. (Hons) Agriculture			Branch/Spec		Agriculture		
Semester		I			Version		1.0.0.0		
Effective from Academic Year			2025-26		Effective for the batch Admitted in			July 2025	
Subject code		IA12OPT		Subject Name		Organic Production Technology			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture (DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	-	2	-	2	Theory	0	0	0
Hours	0		4	-	4	Practical	100	0	100
Objectives of the course:									
CO1: To learn the practical organic farming practices along with application of indigenous knowledge. CO2: To Learn the preparation and application of traditional organic inputs. CO3: Gain hands-on experience by visiting organic farms to study integrated organic farming systems. CO4: To evaluate the organic produce as per FSSAI standards (Government rules).									
Theory Syllabus									
Practical Content									
<ol style="list-style-type: none"> 1. Study of soil properties. 2. Current Government schemes related to organic farming. 3. Study of traditional organic input preparation/formulation of Biofertilizer, biopesticides, plant health promoters like Panchgavya, Beejamrut etc. 4. Application of various agriculturally useful Biofertilizers. 5. Preparation of neem product and other organic products (Bijamrut, Jeevamrut and Agriastra). 6. Study of application of various organic input in field. 7. Manure preparation and introduction to compost, composting and its value addition quality test. 8. Study of the system of organic certification and inspection. 9. Preparation of organic product for insect, pest and disease control. 10. Visit organic farms to study the various components and their utilization. 									
Reference book									
<ol style="list-style-type: none"> 1. Dhama, A.K. (2014). Organic Farming for Sustainable Agriculture (2nd edition), Agrobios (India), Jodhpur. 2. Sharma, Arun K. (2013). A Handbook of Organic Farming, Agrobios (India), Jodhpur 3. Palaniappan, S.P. and Anandurai, K. (1999). Organic Farming – Theory and Practice. Scientific Pub. Jodhpur 4. Thapa, U and Tripathy, P. (2006). Organic Farming in India, Problems and prospects, Agritech, Publising Academy, Udaipur. 5. Jaivik Kheti Sahayak Pustika- National Centre for Organic and Natural Farming, Department of Agriculture & Farmers Welfare, Gol. 									