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Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)

B. Sc. (Ag.) (First Semester - Regular) Examinations, January 2026

AG 111 - Fundamentals of Agronomy

Time: 2 hrs | Maximum: 40 Marks

Answer ALL questions

PART – A **(2 x 5 = 10 Marks)**

Q.1. Answer ***ALL*** questions

		CO #	Blooms Level
a.	Explain the conservation tillage.	CO2	K2
b.	Describe the different Agro-climatic zones of Odisha.	CO1	K2
c.	Explain the different forms in which plants absorb mineral nutrients.	CO3	K2
d.	Describe the various methods of composting used in agriculture.	CO4	K2
e.	Explain the different types of competition.	CO5	K2

PART – B **(6 x 5 = 30 Marks)**

Answer ***any 6*** questions

		Marks	CO #	Blooms Level
2.	Explain the different types of cropping systems practiced in India and describe the major cropping systems.	5	CO1	K2
3.	Define biofertilizers and classify them.	5	CO2	K2
4.	Classify fertilisers and explain the factors that determine the cropping pattern in a region.	5	CO3	K2
5.	Describe the different agroclimatic zones of India.	5	CO1	K2
6.	Explain the process of nutrient absorption in plants and discuss the factors affecting nutrient uptake.	5	CO4	K2
7.	Explain the role of macro- and micronutrients in plant growth and state the criteria of essentiality of plant nutrients.	5	CO4	K2
8.	Explain crop response to plant density and discuss the factors affecting plant population.	5	CO5	K2
9.	What is crop weed competition? Explain the principles governing crop–weed competition.	5	CO6	K2

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