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



B. Sc. (Ag.) (Second Semester - Regular) Examinations, May – 2026

CC-AG-2 – Farming-based Livelihood System

Time: 2 hrs

Maximum: 40 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Value chain in agriculture	CO5	K4
b. Green manuring	CO3	K2
c. National rural livelihood mission (NRLM)	CO3	K2
d. Components of farming system	CO2	K1
e. Sericulture & Apiculture	CO2	K1

PART – B

(6 x 5 = 30 Marks)

Answer **any six** the questions

	Marks	CO #	Blooms Level
2. Explain in detail NABARD's & ICAR's commercial farming based livelihood models.	5	CO4	K4
3. Draw a schematic representation of biogas plant and explain the process of biogas production.	5	CO3	K3
4. What is multiple cropping? Explain in brief different types of multiple cropping with examples.	5	CO3	K1
5. Describe the risk and success factors in farming-based livelihood system .	5	CO4	K2
6. Mention the classification of farmers. How climate change affects the agricultural production and rural livelihoods ?	5	CO4	K5
7. Describe the framework of agricultural livelihood system & briefly discuss the key elements of framework.	5	CO2	K2
8. Cite examples of small, medium & large enterprises. What are the components of agricultural value chains ?	5	CO3	K2
9. Envisage the role of farming-based livelihood system in building resilient and diversified rural economy in 21 st century.	5	CO5	K4

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