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



B. Sc. (Ag.) (Fourth Semester - Regular) Examinations, April – 2026

CC-AS-8 – Agricultural Informatics and AI

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. Define Bioinformatics.	CO5	L1
b. What is search algorithm?	CO4	L2
c. Describe the challenges of AR/VR technology in agricultural education and training.	CO5	L5
d. Discuss on WOFOST.	CO5	L2
e. What do you mean by IDEA?	CO5	L3

PART – B

(5 x 6 = 30 Marks)

Answer **ANY SIX** of the questions

	Marks	CO #	Blooms Level
2. Describe the Contingent Crop Planning and Crop Calendar.	5	CO5	L3
3. What is GPS? How it is helpful in agriculture planning.	5	CO5	L4
4. Describe the challenges in mobile smartphone application in agriculture.	5	CO2	L5
5. Discuss on the Algorithms and Flowchart in computer programming.	5	CO4	L2
6. How AI can help in Post-harvest management?	5	CO2	L3
7. What is Turing Test in AI?	5	CO5	L5
8. How AI is helpful in Autonomous Crop Management?	5	CO4	L1
9. Discuss on various computer controlled devices and drones in agriculture.	5	CO5	L2

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