



**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
Academic year, 2022-23**

**II Semester regular examination for 16th batch (2022-23)
and Supplementary examination for 15th batch (2021-22)**

AEM 204: Extension for Sustainable Agricultural Development (4 Credits)

Maximum Marks: 70

Duration: 2½ hrs

Answer any 5 questions. Each Question carry 14 marks.

1. Define biodiversity. Explain its types, loss and impact on environment and electronic tools that help in biodiversity conservation. 14 marks
2. a. Explain the causes for soil erosion and different agricultural and environmental consequences and conservation measures followed. 7 marks
b. Discuss on animal health management, the influencing factors, tools and advancement in disease emergency and prevention. 7 marks
3. Explain integrated farming system with its objectives, elements and components. 14 marks
4. Explain trends of agriculture in rain-fed region, major constraints faced and strategies for development of rain-fed farming. 14 marks
5. Write short notes on the following:
 - a) Concept, principles and priorities for integrated nutrients management 4 marks
 - b) Carbon sequestration - Measures of management of land and water on watershed basin 4 marks
 - c) In situ and Ex situ conservation 3 marks
 - d) Need for specialized extension service in livestock 3 marks
6. Explain importance of inland and marine fisheries, issues, challenges and technological innovations in fisheries. 14 marks
7. Write the importance, tools and strategies of integrated Pest management in sustainable agriculture. 14 marks
8. Discuss importance of Indigenous Technical Knowledge (ITKs), their features, and stages of adoption mechanism in present agricultural system. 14 marks

Veenita
21/2/2024

डॉ. विनीता कुमारी

Dr. Veenita Kumari

उप निदेशक एवं प्रधान संचालक (पी जी डी ए ई एम)

Deputy Director & Principal Coordinator (PGDAEM)

राष्ट्रीय कृषि विस्तार प्रबंध संस्थान (मैनेज)

National Institute of Agricultural Extension Management (MANAGE)

राजेन्द्रनगर, हैदराबाद-५०० ०३०

Rajendranagar, Hyderabad-500 030.