



January, 2015

Post Graduate Diploma in Agricultural Extension Management (PGDAEM)

**2nd Semester 2013-14 Term End Examinations &
Supplementary Examinations of 2007-08 to 2012-13**

AEM-205 B: Sustainable Livestock Development (3 Credits)

Max. Marks-70

Duration - 2 ½ hrs.

ANSWER **ANY 5 QUESTIONS**. ALL QUESTIONS CARRY EQUAL MARKS

1. Explain the importance, causes and consequences of loss of genetic bio diversity.
2. Briefly explain about the role of biotechnology in vaccine production, disease diagnosis and treatment.
3. What are the major infectious livestock diseases seen in your area? Discuss general strategies and field problems encountered in control of infectious diseases.
4. Explain the role and functions of livestock in sustainable livelihood security.
5. What is the importance of nutrient management? Briefly explain nutrient requirement in lactating cows and young calves.
6. Discuss on important breeds of cattle and buffaloes (3 each) and their management.
7. Write short notes on **any two** of the following:
 - A) Crop – Livestock interactions in mixed farming system
 - B) Biological treatment of manure
 - C) ITKs in livestock production
8. Write in short about **any four** of the following.
 - a) Sahiwal cattle
 - b) Murrah buffalo breed
 - c) Mastitis
 - d) Quarantine
 - e) Characteristics of NCFRs
 - f) Vector control



December-2014

Post Graduate Diploma in Agricultural Extension Management (PGDAEM)

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Supplementary Examinations of 2007-08 to 2012-13**

**AEM-205 B: Sustainable Livestock Development
(3 Credits)**

Max. Marks-70

Duration - 2 ½ hrs.

ANSWER ANY 5 QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS

1. Discuss different modes of mixed farming with suitable examples.
2. Explain the importance, proximate causes and consequences of loss of genetic bio diversity.
3. Characterize the traditional livestock production system of your state. Discuss the problems and strategies for improving the livestock production.
4. What are the diseases seen in your area? Discuss general strategies and field problems encountered in control of infectious diseases.
5. Explain the role and functions of livestock in sustainable livelihood security.
6. What are the different feed resources? Explain the importance, characteristics, and constraints in utilization of Non Conventional Feed Resources.
7. A) ITKs in livestock production
B) Biotechnology applications in vaccines and diagnosis
8. A) Crop – Livestock interactions in mixed farming system
B) Biological treatment of manure



**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
EXAMINATION – July, 2014**

AEM 205 B: SUSTAINABLE LIVESTOCK DEVELOPMENT (3 Credits)

MAX MARKS-70

DURATION- 2 ½ hrs.

Answer any **five** of the following questions. All questions carry equal marks

- 1) Write about the strategies for Sustainable livestock development in Rainfed Agro-Ecosystem in Indian context.
- 2) What are Non-Conventional feed resources and write about its importance in sustainable livestock production?
- 3) What roles and functions Livestock enterprises have in achieving sustainable rural livelihood security?
- 4) Write about various strategies for control of Infectious diseases in Livestock.
- 5) Write about the concept of ITK and briefly discuss about the importance of ITK in sustainable Livestock development.
- 6) Discuss about the importance of nutritional management. Give nutrient requirements of lactating cows and write feeding schedule for the same group.
- 7) What are proximate causes affecting Biodiversity? Briefly write how Livestock biodiversity can be preserved for future use.
- 8) Discuss briefly about the following (**Any Two**).
 - a) Application of Geographical Information System tools for development of sustainable crop – livestock system.
 - b) Write about the importance of Bio security and its management in Livestock.
 - c) Write about water requirement in dairy animals.
 - d) Animal husbandry and greenhouse gases.



Post Graduate Diploma in Agricultural Extension Management (PGDAEM)

SUPPLEMENTARY EXAMINATION (2011-12 BATCH) – JANUARY 2014

Course AEM 205 B: SUSTAINABLE LIVESTOCK DEVELOPMENT (3 Credits)

Maximum Marks:

Duration: 2 ½ hrs

Answer any ***five*** of the following questions. All questions carry equal marks.

1. Describe the good management practices of sustainable livestock production system with suitable examples.
2. Write short note on any three of the following
 - a) Agricultural Pollutants
 - b) Effect of Global Warming on Livestock
 - c) Bio-security Management
 - d) Mastitis and its management.
 - e) Plant toxicity.
3. Discuss on important breeds of cattle and buffaloes (3 each) and their management.
4. What are the different breeds of cattle and buffaloes present in our country.
5. Discuss the strategies for control of infectious diseases in livestock.
6. Explain the role and functions of livestock in Sustainable Rural Livelihood security.
7. What is the importance of livestock waste management? Explain different methods you advocate for pathogen reduction.
8. Explain the issues concerned with growth of livestock sector in India.



**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
SPECIAL SUPPLEMENTARY EXAMINATION – DECEMBER 2013**

Course AEM 205 B: Sustainable Livestock Development (3 Credits)

Maximum Marks:

Duration: 2 ½ hrs

Answer any ***five*** of the following questions. All questions carry equal marks.

1. What are different modes of mixed farming system? Explain in brief about each one of them.
2. Briefly explain about the role of biotechnology in vaccine production, disease diagnosis and treatment.
3. a) Write in brief about biological treatment of manure.
a. b) Write in brief about chemical treatment of manure.
4. Write about sustainable livestock development in rainfed Agro-Eco system in Indian context.
5. What is the importance of nutrient management? Briefly present nutrient requirement in lactating cows and young calves.
6. List major categories of roles and functions of livestock in the Sustainable Rural Livelihood Security and briefly discuss about them.
7. Write in short about any ***three*** of the following.
 - a) ITK and its importance in livestock.
 - b) Sahiwal cattle.
 - c) Murrah buffalo breed.
 - d) Causes for depletion of Indian native cattle breeds.
8. Write short notes on any ***three*** of the following.
 - a) Mastitis
 - b) Quarantine
 - c) Calf Scours
 - d) Vector control



AEM-205 B

**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
Final Examination (February 2010)**

Course 205 B: Sustainable Livestock Development (3 Credits)

Maximum Marks: 70

Duration: 2 ½ hrs

Answer any five questions. All questions carry equal marks

1. What is Indigenous Technical Knowledge (ITK)? Mention the ITKs known to you and promoted for sustainable Livestock development? What is the extension strategy adopted for popularizing ITKs?
2. What is the importance of livestock biodiversity in our rural economy? Explain how the biodiversity of livestock can be preserved for sustainable use.
3. Explain the role of Waste Management in maintaining the animal health and production efficiency.
4. Explain the importance of Livestock in the rural economy citing suitable examples
5. Explain the relevance of bio-technology in enhancing the quality of livestock production with suitable examples.
6. Describe the good management practices of sustainable livestock production system with suitable examples.
7. List the environmental factors influencing loss of biodiversity. Discuss the strategies to reduce environmental impact on livestock development.
8. Explain the role of Geographical Information System (GIS) tools for the development of sustainable crop Livestock systems.



**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
Final Examination, First Semester 2008-09 (August 2009)**

Course 205 B: Sustainable Livestock Development (3 Credits)

Maximum Marks: 70

Duration: 2 ½ hrs

Answer any five of the following questions. All questions carry equal marks.

1. Explain the role of Waste Management in maintaining the animal health and production efficiency.
2. Describe Mixed Farming System. Explain its advantages and disadvantages by taking any one of the Mixed Farming System existing in your jurisdiction as example.
3. Explain the importance of Livestock in the rural economy citing suitable examples
4. What do you understand by biodiversity in livestock and explain its importance? Discuss the mechanism of preserving biodiversity.
5. a) Elaborate the characteristics and categories of Non - conventional feed resources.

b) List out the constraints in utilization of Non – conventional feed resources and suggest strategies to overcome the constraints
6. Write short note on any three of the following
 - a) Strategies for control of contagious diseases
 - b) Agricultural Pollutants
 - c) Effect of Global Warming on Livestock
 - d) Bio-security Management
 - e) Crop – Livestock interaction
7. Explain the relevance of bio-technology in enhancing the quality of livestock production with suitable examples.
8. Discuss the concept and importance of Indigenous Technical Knowledge (ITK). List out some of the ITKs related to livestock development familiar to you.

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**Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
Final Examination (August 2010)**

AEM-205 B: Sustainable Livestock Development (3 Credits)

Maximum Marks: 70

Duration: 2 ½ hrs

Answer any five questions. All questions carry equal marks

1. **Discuss the importance of Nutrient Management in lactating cattle and calves at various stages of growth.**
2. **What is Indigenous Technical Knowledge (ITK)? Mention few ITKs for sustainable Livestock development.**
3. **What is the importance of livestock biodiversity in rural economy? Explain how the biodiversity of livestock can be preserved for sustainability.**
4. **Discuss the good management practices of Sustainable Livestock Production System with suitable examples.**
5. **Examine the role of Live Stock Sector in reduction of rural poverty with an example.**
6. **List the environmental factors influencing loss of biodiversity. Discuss the strategies to reduce environmental impact on livestock development.**
7. **Explain the role of Geographical Information System (GIS) tools for the development of sustainable crop Livestock systems.**
8. **Discuss the various strategies for the control of infectious diseases in animals.**

