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MAW-004

**POST GRADUATE DIPLOMA IN
ANIMAL WELFARE (PGDAW)**

Term-End Examination

June, 2023

**MAW-004 : ANIMAL WELFARE PRACTICES,
ECONOMICS AND LIVELIHOOD**

Time : 3 Hours

Maximum Marks : 100

***Note :** Answer any **five** questions. All questions carry equal marks.*

1. What are the welfare problems in smallholder dairy production systems ? Discuss the minimum breeding standards for cows and buffaloes. 8+12
2. Write the meaning of *Gaushala* and *Pinjrapole*. What are the objectives of *Gaushalas* and *Pinjrapoles* ? Discuss any *five* constraints that are faced by *Gaushalas*. 4+6+10

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3. What are the welfare issues in sheep and goats ? Discuss the minimum welfare standards and good management practices in housing of sheep and goats. 8+12
4. How is animal birth control different from early neutering of dogs ? Discuss the steps involved in animal birth control. 8+12
5. What is meant by laboratory animal welfare ? Explain the significance of quarantine, stabilization and separation in procurement of laboratory animals for experiments. 5+15
6. Write the guidelines to achieve positive zoo animal welfare. Discuss the survival challenges and choices of zoo animals with the help of Maslow's Hierarchy Needs theory supported by diagram. 6+14
7. Discuss the care of animals before, during and after disasters with respect to feed, safety and shelter. 20

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8. Write short notes on any *two* of the following : 10+10

- (a) Selection and scoring of countries in Animal Protection Index
- (b) Alternatives to animal usage in research and testing
- (c) Welfare standards for layer poultry birds