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B.Sc (Ag)

3rd SEMESTER REGULAR EXAMINATIONS, SEPT/OCT 2019-20
AH-231

LIVESTOCK AND POULTRY MANAGEMENT

Time : 2 Hours

Maximum : 50 Marks

(Answer **all** questions of Section – A)

SECTION – A

1. Fill up the blanks with suitable and meaningful word (s): **[10 × 0.5 = 5]**

- Gestation period of buffalo isdays.
- Contribution of livestock sector is approximately -----% of national Gross Domestic Product.
- Kankrej is a recognised breed ofspecies of livestock.
- Best method for identification of pig is.....
- Space requirement of adult male goat issquare feet.
- Crude Protein requirement of broiler finisher diet is%.
- Egg shell is a chief source ofmineral.
- First faecal matter after birth is called as.....
- Adult male goat is commonly termed as.....
- Let down of milk is due to influence ofhormone.

2. Define or Explain the following in one or two sentences **[5 × 1 = 5]**

- Free martin
- Creep feeding
- Advantage of colostrum feeding
- Estrus synchronization
- Signs of Estrus/heat

3. Match the following **[10 × 0.5 = 5]**

- I**
- Murrah
 - Hog cholera
 - Black bengal
 - Anthrax
 - Shearing
 - Deep litter
 - Rabies
 - Binjharपुरi
 - NDDB
 - Red sindhi

- II**
- Goat
 - Virus
 - Swine
 - Buffalo
 - Odisha
 - Cattle
 - Bacteria
 - Gujarat
 - Chicken
 - Sheep



4. Write **TRUE** or **FALSE** against the following statements

[10 × 0.5 = 5]

- a. FMD is the common bacterial disease of cattle responsible for heavy economic loss in dairy sector.
- b. National Dairy Development Board (NDDB) is a premier Dairy institute of India which is established at Karnal, Haryana.
- c. Bio security is one of the best method for control and containment of Livestock diseases.
- d. Sahiwal is a cattle breed best suits for draught propose in North India.
- e. Silage is a better source of protein than hay.
- f. Calf starter is the first roughage feeding of calf enriched with high protein content.
- g. In general the long axis of animal sheds is located in east-west direction.
- h. Gestation period of sheep and goat ranges from 270 to 300 days.
- i. Pig is the only ruminant species of livestock who can easily convert roughage to meat.
- j. Dental formula is the only means to know the age of a Livestock species

SECTION – B

(Attempt any **five** questions. Each question carries equal marks)

5 × 6=30

5. What are the different types of nutrients? Specify the functions of water in dairy animals? Describe in detail on carbohydrate digestion in Ruminants ?
6. Classify Indian cattle breed with respect its utility? Mention five exotic and five Indian breeds of cattle along with their performance?
7. Describe care and management of calf and heifer. Write down feeding management in cattle.
8. Differentiate between
 - a. Broiler and layer
 - b. Calving interval and Age at first calving
 - c. Conventional and Loose Housing system
 - d. Minerals and Vitamins
9. What do you mean by Vaccination ? Classify the common diseases of poultry with suitable examples? How can we prevent the occurrence of such diseases? Write down vaccination schedule in poultry
10. Describe brooding and different types of brooder. Write down care and management of poultry bird during brooding.

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