

VETERINARY SCIENCE

Time: 3 hours

Full Marks:200

Note: Question No 1 is compulsory and any four from the remaining seven questions. All questions carry equal marks

- 1.** Write short notes of the followings (within 150 words).
Attempt **any 10 (ten)**

10x4=40

- (A) Transgenic animals.
- (B) Feed additives.
- (C) Nutritive value of eggs.
- (D) Nutritive value of milk.
- (E) Foot and mouth disease.
- (F) Duck cum fish farming.
- (G) Organic farming.
- (H) Feed conversion ratio of broilers.
- (I) Occupation hazards.
- (J) Embryo transfer.
- (K) Mixed farming.
- (L) Feed blocks.

- 2.** Give four examples of each of the followings mentioning their place of origin.
Attempt **any 8 (eight)**

8x5=40

- (A) Exotic breeds of dairy cattle.
- (B) Exotic swine breeds.
- (C) Meat type breeds of ducks
- (D) Exotic sheep breeds
- (E) Exotic goat breeds
- (F) Buffalo breeds.
- (G) Indian goat breeds.
- (H) Draught breeds of cattle.
- (I) New varieties of chickens suitable for backyard rearing.
- (J) Indian dairy breeds of cattle.

- 3.** Write down the followings (within 250 words). Attempt **any 5 (five)**.

5x8=40

- (A) Artificial insemination.
- (B) Sterility its cause and remedies.
- (C) Fodder preservation.
- (D) Properties of milk.
- (E) Physiology of milk secretion.
- (F) Factors needed to be considered before starting a broiler farm.
- (G) Grading of eggs.

4. Write down the etiology, symptoms, diagnosis and treatment of the following diseases. Attempt **any 4 (four)** of the followings 4x10=40
- (A) Milk fever
 - (B) Coccidiosis in chickens
 - (C) Anthrax
 - (D) Black quarter
 - (E) Azoturia.
5. Answer **any 2 (two)** 2x20=40
- (A) What are the different methods of semen preservation? Write down the advantages and disadvantages of different semen extender. (10+10=20)
 - (B) What are the different common zoonotic diseases? State their prevention and control methods. (10+10=20)
 - (C) What are the different systems of poultry rearing? Write down the advantages and disadvantages of each. (10+10=20)
6. Write down on the importance of clean milk production. Write in brief about milk collection, chilling, transportation, processing, packing, storage and its distribution. 5+34=40
7. What do you mean by inbreeding, outbreeding and cross breeding? Write down about the breeding strategies for improvement for milk production in cattle and egg production in poultry. Write down in detail about the breeding of animals for disease resistance. 15+15+10= 40
8. Write down the names with etiology of major contagious diseases affecting cattle, buffaloes, pigs and poultry. Discuss how occurrence of diseases can be prevented in a commercial poultry farm. Write about the vaccination schedule of cattle and pigs. 20+10+10= 40
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