

Annexure-A

Subject:- Syllabus for Written Test for the post of Veterinary Assistant Surgeons in Animal & Sheep Husbandry Department.

A. Questions relating to the Subject.

The detailed Syllabus shall be as under:

Animal Husbandry :

1. *General* : Importance of livestock in Agriculture, Relationship between Plant and Animal Husbandry, Mixed farming Livestock and milk production statistics.
2. *Genetics*: Elements of genetics and breeding as applied to improvement of animals. Breeds of indigenous and exotic cattle, buffaloes, goats, sheeps, pigs and poultry and their potential of milk, eggs, meat and wool production.
3. *Nutrition*: Classification of feeds, feeding standards, computation of ration and mixing of rations, conservation of feeds and fodder.
4. *Management*: Management of livestock (Pregnant and milking cows, young stock), livestock records, principles of clean milk production, economies of livestock farming Livestock housing.

Veterinary Science

1. Major contagious diseases affecting cattle and drought animals, poultry and pigs.
2. Artificial insemination, fertility and sterility.
3. Veterinary hygiene with reference to water, air and habitation.
4. Principles of immunization and vaccination.
5. Description, symptoms, diagnosis and treatment of the following diseases

of :

- (a) Cattle: Anthrax, Foot and mouth disease, Haemorrhagic, Septicaemia, Rinderpest, Black quarter, Tympanitis, Diarrhoea, Pneumonia, Tuberculosis, Johnes disease and diseases of new born calf.
 - (b) Poultry : Coccidiosis, Ranikhet, Fowl Pox, Avian leukosis, Marks Disease.
 - (c) Swine: Swine fever.
6. (a) Poisons used for killing animals.
(b) Drugs used for doping of race horses and the techniques of detection.
(c) Drugs used to tranquilize wild animals as well as animals in captivity.
(d) Quarantine measures prevalent in India and abroad and improvements therein.

Annexure-A

Dairy Science

1. Study of milk composition, physical properties and food value.
2. Quality control of milk, common tests, legal standards.
3. Utensils and equipment and their cleaning.
4. Organization of Dairy, processing of milk and distribution.
5. Manufacture of Indian indigenous milk products.
6. Simple dairy operations.
7. Micro-organisms found in milk and dairy products.
8. Diseases transmitted through milk to man.

B. Questions relating to General Knowledge

Questions on General Knowledge, shall comprise National Affairs, J&K Affairs and questions relevant to the subject.

It is further notified that:

- i) No. of questions shall be 120 out of which 100 shall be on the subject matter (as per syllabus) and 20 questions on General Knowledge.
- ii) Questions shall be of Multiple choice with one correct answer.
- iii) Time duration shall be 2 hours.
- iv) Papers shall be in English.

Sd/-
Controller of Examinations
J&K Public Service Commission