SYLLABUS FOR GENERAL POSTS – ANIMAL HUSBANDRY ASSISTANT

<table>
<thead>
<tr>
<th>Written examination (Objective Type)</th>
<th>No., of questions</th>
<th>Duration (minutes)</th>
<th>Maximum Marks</th>
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</thead>
<tbody>
<tr>
<td>Part - A: General Studies and mental ability</td>
<td>50</td>
<td>50</td>
<td>50</td>
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<tr>
<td>Part – B: Subject related to Animal Husbandry</td>
<td>100</td>
<td>100</td>
<td>100</td>
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</tbody>
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**TOTAL** 150

**Note:** For each correct answer 1 mark will be awarded and each wrong answer will carry 0.25 negative mark.

SYLLABUS FOR EXIMANITION TO THE POST OF ANIMAL HUSBANDRY ASSISTANT IN A.P. ANIMAL HUSBANDRY SUBORDINATE SERVICE

**PART-A**

**GENERAL STUDIES AND MENTAL ABILITY**

1. General Mental ability and reasoning.
2. Quantitative aptitude including data interpretation.
3. General English.
5. General Science and its applications to the day to day life, Contemporary development in science and Technology and information Technology.
6. History & Culture of India with specific focus on AP.
7. Indian polity and governance: constitutional issues, 73/74th Amendments, public policy, reforms ad centre – state relations with specific reference to Andhra Pradesh.
PART-B

COMMON SYLLABUS PRESCRIBED FOR THE WRITTEN EXAMINATION TO BE CONDUCTED FOR ANIMAL HUSBANDRY ASSISTANT POSTS IN ANIMAL HUSBANDRY DEPARTMENT

1. Basics in Veterinary anatomy and Physiology:
   Major bones and joints of Animals, Important organs & functions of Digestive, Respiratory, Circulatory, Urinary, Genital, Nervous and endocrine system.

2. Infectious Diseases of Livestock Poultry:
   Characteristics of different infectious agents, Bacteria, Virus, parasite (external & Internal), Transmission of diseases of Livestock poultry
   Bacterial Diseases: Anthrax, HS, BQ, Mastitis, TB, JD, Brucellosis, Pullorum Disease, fowl Cholera.
   Parasitic: Ascariasis, strongylosis, amphistomiasis, mange, ticks, lice.
   Fungal: Ring Worm, Vaccines for infectious diseases
   General hygiene prevention & control measures of infectious diseases of livestock & poultry

3. Veterinary Pharmacy:
   Drugs, forms, weighing, measuring (units) routes of administration of drugs, oral parenteral ( SC, IM, IV) Forms of drugs – Powders, mixtures, lotion, ointment, paste, tablet, electuary, enema, tinctures, bolus, emulsion, Standards of drug manufacturing I.P, B.P., B.Vet.C.,

4. Fundamentals of Animal reproduction and Gynaecology:
   Genital organs of different livestock species, sexual maturity, estrus cycle, gestation, pregnancy diagnosis, parturition, infertility and sterility and their treatment, common reproductive disorders – Dystocia & Retention of placenta

5. Basics in artificial insemination:
   Advantages of AI, Preparation of AV, Semen collection, Management of Frozen ’semen, Handling f liquid nitrogen container, detection of heat in different livestock, insemination techniques, precautions for successful AI, follow up of AI

6. Basics in Surgery:

7. Fundamentals of Veterinary Medicine:
   Definition of Health, disease, symptoms. Physical & clinical examination of animals. Collection of History. General Diagnosis, treatment and control of diseases of gastrointestinal tract, liver, respiratory system, skin, Uro-genital tract, nervous system, metabolic and deficiency diseases

8. Introduction of Veterinary Biologicals and Vaccines:
Veterinary Biologicals and their importance in Veterinary practice. Handling & storage of various Biologicals. Vaccination schedule for livestock and poultry.

9. Veterinary First Aid and clinical Management:

10. Analytical Laboratory Techniques: Common equipment for laboratory analysis, guidelines for handling chemicals & equipment, disposal of laboratory wastes. Sampling and sample preparation for chemical analysis.

11. Laboratory Diagnostic Techniques – I
Sterilisation techniques of laboratory chemicals and glass ware. Media preparation, sero diagnosis – antigen, antibody.

12. Laboratory Diagnostic Techniques – II
Collection, preservation & dispatch of various materials for parasitological examination – Skin scrapings, etc.


14. Principles of management of Meat animals

15. Livestock Farm Management:
Livestock farming vs mixed farming, record keeping, farm inventory marketing of Livestock & Livestock products, distribution channels, organisation of cooperative societies.

16. Principles of Livestock feeding:
crop residues in animal feeding. Important fodder trees. Animal feeding &
drought and natural calamities – storage feeds – Thumb rules for Livestock
feeding – Urea treated paddy straw.
17. Basics of Pet & Zoo animals management :
Common pet animals and their utility, common breeds of dogs, handling &
restraining of pet animals Feeding & Management of dogs, important zoo
animals - care, management & health cover of zoo animals Vaccination
schedule, deworming – administration of medicines in different routes in dogs
and cats
18. Avian Hatchery Management: Layout of Hatchery- incubators- setters – Hatchery
incubation – management. Hatching eggs – Collection , selection and storage –
fumigation – requirement of incubation – temperature, humidity , ventilation,
turning candling of eggs – sexing , vaccination, grading of chicks, dubbing and
toy clipping.
industry – different breeds – system of poultry rearing – advantages and
disadvantages – poultry farm equipment – breeding management – feeding and
management of different classes of poultry – feed supplements - additives –
mixing of poultry feeds – measure of sanitation – disinfection and disease
control – Reconstitution of vaccine and their preservation – routes of vaccination
– designing of vaccination program – litter management – handling of eggs.
Farm records – record keeping. Feeding management of other avian species.
Economics of poultry farming ( Layers& Broilers) –Marketing of poultry eggs and
chicken meat
20. Basics in Meat production & Handling :Importance of meat yielding animals –
Selection of ideal meat animals – optimum for slaughter – common instruments
used to handle meat animals – dressing percentage- transportation of meat
animals – care during transport – pre-slaughter handling – methods of slaughter
– major cuts and their yields – components of abattoir – optimum facilities
principles of meat preservation – ageing of differing species of Livestock.