

**Shourabh College of Veterinary Science**

**Rajasthan University of Veterinary and Animal Sciences, Bikaner**

**Department of Veterinary Medicine**

**Fourth Professional B.V.Sc. & A.H.**

**Credit hrs. 4+1**

**w.e.f. 17/03/2025**

**Lecture duration: One hour (Theory)**

**Name of Teachers:** Dr. Rakesh Kumar Jangid, Dr. Mainka Kumari, Dr. Shruti Dheru, Dr. Siraj Ansari, Dr. Raja Farhan Bin Bashir and Dr. Virendra Singh Wazir

<b>Lecture no.</b>	<b>Date</b>	<b>Topics</b>
<b>UNIT-I (GENERAL)</b>		
1	17-03-2025	History and scope of Veterinary Medicine
2	18-03-2025	Concept of animal diseases. Concepts of diagnosis
3	21-03-2025	Differential diagnosis, treatment and prognosis
4	22-03-2025	General systemic states, hyperthermia, hypothermia
5	24-03-2025	Fever
6	25-03-2025	Septicemia, toxemia
7	28-03-2025	Shock
8	29-03-2025	Allergy, anaphylaxis
9	31-03-2025	Oedema, coma
10	1-04-2025	Anaemia
11	4-04-2025	Common clinical poisonings
12	5-04-2025	Common clinical poisonings
13	7-04-2025	Common clinical poisonings
14	8-04-2025	Dehydration, estimates of diseases
15	12-04-2025	Patterns of disease, disease monitoring

16	15-04-2025	Surveillance, herd health and quarantine
<b>UNIT-II (SYSTEMIC DISEASES)</b>		
<b>Etiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention and control of the following diseases of cattle, buffalo, sheep, goat, horse, pig, dog, cat and poultry</b>		
17	19-04-2025	Disease of digestive system
18	21-04-2025	Disease of digestive system
19	22-04-2025	Disease of digestive system
20	25-04-2025	Disease of digestive system
21	26-04-2025	Disease of digestive system
22	28-04-2025	Disease of digestive system
23	2-05-2025	Disease of digestive system
24	3-05-2025	Disease of digestive system
25	5-05-2025	Disease of digestive system
26	6-05-2025	Disease of digestive system
27	9-05-2025	Disease of digestive system
28	10-05-2025	Disease of digestive system
29	12-05-2025	Disease of digestive system
30	13-05-2025	Disease of digestive system
31	16-05-2025	Disease of Respiratory system
32	17-05-2025	Disease of Respiratory system
33	19-05-2025	Disease of Respiratory system
34	20-05-2025	Disease of Respiratory system
35	23-05-2025	Disease of Cardiovascular system
36	24-05-2025	Disease of Cardiovascular system
37	26-05-2025	Disease of Cardiovascular system
38	27-05-2025	Disease of Cardiovascular system

39	30-05-2025	Disease of Urinary system
40	31-05-2025	Disease of Urinary system
41	2-06-2025	Disease of Urinary system
42	3-06-2025	Disease of Urinary system
43	6-06-2025	Disease of Nervous system
44	9-06-2025	Disease of Nervous system
45	10-06-2025	Disease of Nervous system
46	13-06-2025	Disease of Nervous system
47	14-06-2025	Disease of Musculoskeletal system
48	16-06-2025	Disease of Musculoskeletal system
49	17-06-2025	Disease of Haemopoietic system
50	20-06-2025	Disease of Haemopoietic system
51	21-06-2025	Disease of Lymphatic system
52	23-06-2025	Disease of Lymphatic system
53	24-06-2025	Disease of Skin
54	27-06-2025	Disease of Skin
55	28-06-2025	Disease of Sense organs
56	30-06-2025	Disease of Sense organs
57	1-07-2025	Affections of peritoneum
58	4-07-2025	Affections of peritoneum
59	5-07-2025	Disease of liver
60	7-07-2025	Disease of liver
61	8-07-2025	Disease of liver
62	11-07-2025	Disease of Pancrease
63	12-07-2025	Disease of Pancrease
64	14-07-2025	Emergency Medicine and Critical Care

65	15-07-2025	Emergency Medicine and Critical Care
66	18-07-2025	Emergency Medicine and Critical Care
<b>UNIT-III (METABOLIC AND DEFICIENCY DISORDERS)</b>		
<b>Aetiology, clinical manifestations, diagnosis, differential diagnosis, treatment prevention and control of metabolic or production and endocrine diseases of cattle, buffalo, sheep, goat, horse, pig, dog, cat and poultry</b>		
67	19-07-2025	Diagnosis and management of diseases caused by deficiency of iron, copper
68	21-07-2025	Diagnosis and management of diseases caused by deficiency of cobalt, zinc, manganese
69	22-07-2025	Diagnosis and management of diseases caused by deficiency of selenium, calcium
70	25-07-2025	Diagnosis and management of diseases caused by deficiency of phosphorus, magnesium, iodine
71	26-07-2025	Diagnosis and management of diseases caused by deficiency of vitamin A, D, E
72	28-07-2025	Diagnosis and management of diseases caused by deficiency of vitamin B complex, K and C
73	29-07-2025	Diseases of neonates
74	1-08-2025	Diseases of neonates
75	2-08-2025	Alternative or integrated or ethno veterinary medicine in animal disease management
76	4-08-2025	Alternative or integrated or ethno veterinary medicine in animal disease management
77	5-08-2025	Milk fever
78	8-08-2025	Eclampsia
79	11-08-2025	Osteodystrophy fibrosa
80	12-08-2025	Lactation tetany, downer cow syndrome
81	18-08-2025	Ketosis
82	19-08-2025	Fat cow syndrome
83	22-08-2025	Hypomagnesaemia
84	23-08-2025	Nutritional haemoglobinuria
85	25-08-2025	Azoturia

86	26-08-2025	Diabetes, hypothyroidism
87	29-08-2025	Cushing syndrome, Addison's disease and Gout
<b>UNIT-IV (Zoo and Wild Animal Medicine)</b>		
88	30-08-2025	Principle of zoo hygiene, public health problems arising from zoos
89	1-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
90	6-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
91	8-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
92	9-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
93	12-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
94	13-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
95	15-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
96	16-09-2025	Prevention, control and treatment of infectious diseases in zoo and wild animals including exotic birds
97	19-09-2025	Prevention, control and treatment of parasitic diseases in zoo and wild animals including exotic birds
98	20-09-2025	Prevention, control and treatment of parasitic diseases in zoo and wild animals including exotic birds
99	23-09-2025	Prevention, control and treatment of nutritional diseases in zoo and wild animals including exotic birds
100	26-09-2025	Prevention, control and treatment of nutritional diseases in zoo and wild animals including exotic birds
101	27-09-2025	Prevention, control and treatment of metabolic diseases in zoo and wild animals including exotic birds
102	29-09-2025	Acts and Rules related to Zoo and wild animals
103	3-10-2025	National and international organizations and institutions interlinked to wild and zoo animals- role and functioning
<b>UNIT-V (Bacterial, Fungal and Rickettsial Diseases)</b>		
<b>Etiology, epidemiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention and control of bacterial, fungal and rickettsial diseases of livestock</b>		

104	4-10-2025	Mastitis
105	6-10-2025	Haemorrhagic septicaemia
106	7-10-2025	Brucellosis
107	10-10-2025	Tuberculosis
108	11-10-2025	Johne's disease
109	13-10-2025	Listeriosis
110	14-10-2025	Leptospirosis
111	17-10-2025	Campylobacteriosis
112	18-10-2025	Actinomycosis,
113	27-10-2025	Actinobacillosis, bordetellosis
114	28-10-2025	Glanders
115	31-10-2025	Strangles, Ulcerative lymphangitis
116	1-11-2025	Colibacillosis, Fowl typhoid
117	3-11-2025	Pullorum disease
118	4-11-2025	Fowl cholera
119	7-11-2025	Avian mycoplasmosis, Spirochaetosis
120	8-11-2025	Salmonellosis
121	10-11-2025	Swine erysipelas
122	11-11-2025	Contagious caprine pleuropneumonia,
123	14-11-2025	Contagious bovine pleuropneumonia
124	15-11-2025	Anthrax
125	17-11-2025	Clostridial infections
126	18-11-2025	Clostridial infections
127	21-11-2025	Clostridial infections
128	22-11-2025	Clostridial infections
129	24-11-2025	Ehrlichiosis, Chlamydosis
130	25-11-2025	Q fever, Anaplasmosis

131	28-11-2025	Dermatophilosis, Aspergillosis
132	29-11-2025	Candidiasis, Histoplasmosis,
133	1-12-2025	Sporotrichosis , Coccidioidomycosis
134	2-12-2025	Mycotoxicosis and Rhinosporidiosis
<b>UNIT-VI (Viral and Parasitic diseases)</b>		
<b>Etiology, epidemiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention and control of Viral and Parasitic diseases of cattle, buffalo, sheep, goat, horse, pig, dog, cat and poultry</b>		
135	5-12-2025	Foot and mouth disease
136	6-12-2025	Rinderpest
137	8-12-2025	Bovine Viral Diarrhoea
138	9-12-2025	Malignant catarrhal fever
139	12-12-2025	Infectious bovine rhinotracheitis
140	13-12-2025	Ephemeral fever
141	15-12-2025	Blue tongue
142	16-12-2025	Sheep pox, Goat pox
143	19-12-2025	PPR
144	20-12-2025	Classical swine fever
145	22-12-2025	Rabies
146	23-12-2025	Equine influenza
147	26-12-2025	Equine infectious anemia
148	29-12-2025	Equine rhinopneumonitis
149	30-12-2025	Canine distemper
150	02-01-2026	Infectious canine hepatitis
151	03-01-2026	Canine parvoviral disease
152	05-01-2026	Corona viral infection, Adeno virus infection

153	06-01-2026	<b>Feline rhinotracheitis, Feline pan leucopenia, Feline infectious peritonitis</b>
154	09-01-2026	Avian influenza
155	10-01-2026	New Castle disease
156	12-01-2026	Marek's disease
157	13-01-2026	Avian leucosis
158	16-01-2026	Infectious bronchitis
159	17-01-2026	Infectious laryngotracheitis
160	19-01-2026	Avian encephalomyelitis, chicken reo virus
161	20-01-2026	Fowl pox
162	23-01-2026	Infectious bursal disease
163	24-01-2026	Chicken infectious anemia
164	27-01-2026	Inclusion body hepatitis- hydropericardium syndrome
165	30-01-2026	Emerging and exotic viral diseases of global importance
166	31-01-2026	Trematodes diseases
167	02-02-2026	Trematodes diseases
168	03-02-2026	Trematodes diseases
169	06-02-2026	Cestodes diseases
170	07-02-2026	Nematodes diseases
171	09-02-2026	Nematodes diseases
172	10-02-2026	Nematodes diseases
173	13-02-2026	Protozoan infections
174	14-02-2026	Protozoan infections
175	16-02-2026	Protozoan infections
176	17-02-2026	External parasites of clinical importance
<b>UNIT-VII (Jurisprudence, Ethics and Animal Welfare)</b>		
177	20-02-2026	Legal duties of veterinarians

178	21-02-2026	laws related to medicine, evidence, common offences against animals and laws related to these offences
179	23-02-2026	laws related to medicine, evidence, common offences against animals and laws related to these offences
180	24-02-2026	Examination of living animals in criminal cases
181	27-02-2026	Examination of dead animals in criminal cases
182	28-02-2026	Cruelty to animals and bestiality
183	2-03-2026	Legal aspects of: Examination of animals for soundness
184	6-03-2026	Legal aspects of: examination of injuries
185	7-03-2026	Legal aspects of: post-mortem examination
186	9-03-2026	Causes of sudden death in animals
187	10-03-2026	Collection and despatch of materials for chemical examination
188	13-03-2026	Collection and despatch of materials for detection of frauds-doping
189	14-03-2026	Collection and despatch of materials for alternation of description
190	16-03-2026	Collection and despatch of materials for bishoping
191	17-03-2026	Cattle slaughter and evidence procedure in courts
192	21-03-2026	Provincial and central acts relating to animals
190	23-03-2026	Glanders and Farcy Act 1899 (13 of 1899).
191	24-03-2026	Dourine Act 1910 (5 of 1910)
192	28-03-2026	Laws relating to offences affecting Public Health
193	30-03-2026	Laws relating to offences affecting Public Health
194	28-03-2026	Laws relating to poisons and adulteration of drugs
195	30-03-2026	Livestock importation act, liability and insurance
196	4-04-2026	Livestock importation act, liability and insurance

197	6-04-2026	Code of conduct and ethics for veterinarians - the regulations made under the Act
198	7-04-2026	Code of conduct and ethics for veterinarians - the regulations made under the Act
199	10-04-2026	Animal welfare organizations and its role in animal welfare
200	11-04-2026	Animal welfare organizations and its role in welfare assessment, behaviour and animal welfare
201	13-04-2026	Animal welfare organizations and its role in principles and philosophy of animal welfare
202	17-04-2026	Animal welfare organizations and its role in animal welfare ethics, improving animal welfare through legislation and incentives
203	18-04-2026	Animal welfare organizations and its role in assessment of physiological and behavioural, disease
204	20-04-2026	Animal welfare organizations and its role in production measures of animal welfare, assessing welfare in practice
205	21-04-2026	Animal welfare organizations and its role in environment enrichment, euthanasia
206	24-04-2026	Animal welfare organizations and its role in welfare of animals used in education and research
207	25-04-2026	Animal welfare organizations and its role in transportation, religion and animal welfare
208	27-04-2026	Animal welfare organizations and its role in human and animal welfare conflict, veterinary disaster management
209	28-04-2026	Animal welfare organizations and its role in human–animal interactions, economics
210	1-05-2026	Animal welfare organizations and its role in animal welfare and veterinarians as animal welfare educators

**Practical**  
**Duration: Two hours**

**Name of Teachers:** Dr. Rakesh Kumar Jangid, Dr. Mainka Kumari, Dr. Shruti Dheru, Dr. Siraj Ansari,  
Dr. Raja Farhan Bin Bashir and Dr. Virendra Singh Wazir

**UNIT-I (General)**

1	A batch: 19-03-2025 B batch: 17-03-2025 C batch: 18-03-2025	Collection of history and general clinical examination
2	A batch: 26-03-2025 B batch: 24-03-2025 C batch: 25-03-2025	Collection, preservation, packing and dispatch of samples from clinical cases
3	A batch: 02-04-2025 B batch: 07-04-2025 C batch: 01-04-2025	Nasogastric intubation in animals
4	A batch: 09-04-2025 B batch: 21-04-2025 C batch: 08-04-2025	Orogastric intubation in animals
5	A batch: 16-04-2025 B batch: 28-04-2025 C batch: 15-04-2025	Oxygen therapy in veterinary practice
6	A batch: 23-04-2025 B batch: 05-05-2025 C batch: 22-04-2025	Gastric lavage
7	A batch: 30-04-2025 B batch: 12-05-2025 C batch: 06-05-2025	Peritoneal lavage
8	A batch: 7-05-2025	Collection and examination of cerebrospinal fluid

	B batch: 19-05-2025 C batch: 13-05-2025	
9	A batch: 14-05-2025 B batch: 26-05-2025 C batch: 20-05-2025	Blood transfusion
<b>UNIT-II (Systemic diseases)</b>		
10	A batch: 21-05-2025 B batch: 02-06-2025 C batch: 27-05-2025	Special examination of cardiovascular system
11	A batch: 28-05-2025 B batch: 9-06-2025 C batch: 3-06-2025	Examination of urinary system
12	A batch: 4-06-2025 B batch: 16-06-2025 C batch: 10-06-2025	Special examination of respiratory system
13	A batch: 11-06-2025 B batch: 23-06-2025 C batch: 17-06-2025	Special examination of gastrointestinal system
14	A batch: 18-06-2025 B batch: 30-06-2025 C batch: 24-06-2025	Special examination of gastrointestinal system
15	A batch: 25-06-2025 B batch: 7-07-2025 C batch: 1-07-2025	ECG, Echocardiography
16	A batch: 2-07-2025 B batch: 14-07-2025 C batch: 8-07-2025	Ultrasonography

17	A batch: 9-07-2025 B batch: 21-07-2025 C batch: 15-07-2025	Endoscopy
18	A batch: 16-07-2025 B batch: 28-07-2025 C batch: 22-07-2025	Special examination of sense organs, Examination of eye and ear
19	A batch: 23-07-2025 B batch: 4-08-2025 C batch: 29-07-2025	Collection and examination of peritoneal fluid. Peritoneal dialysis
20	A batch: 30-07-2025 B batch: 11-08-2025 C batch: 5-08-2025	Neurological examination in animals
21	A batch: 6-08-2025 B batch: 18-08-2025 C batch: 12-08-2025	Neurological examination in animals
22	A batch: 13-08-2025 B batch: 25-08-2025 C batch: 19-08-2025	Lymph node biopsy and bone marrow aspirate
23	A batch: 20-08-2025 B batch: 1-09-2025 C batch: 26-08-2025	Methods of medication
24	A batch: 27-08-2025 B batch: 8-09-2025 C batch: 9-09-2025	Disease Estimation
<b>UNIT-III (Zoo and Wild Animal Medicine)</b>		
25	A batch: 3-09-2025 B batch: 15-09-2025	Management and restraint of zoo and exotic animals

	C batch: 16-09-2025	
26	A batch: 10-09-2025 B batch: 29-09-2025 C batch: 23-09-2025	Drug delivery in zoo and wild animals
27	A batch: 17-09-2025 B batch: 6-10-2025 C batch: 7-10-2025	Visit to Zoo or Sanctuary
28	A batch: 24-09-2025 B batch: 13-10-2025 C batch: 14-10-2025	Examination of veterolegal cases
<b>UNIT-IV (Bacterial, Fungal and Rickettsial diseases)</b>		
29	A batch: 1-10-2025 B batch: 27-10-2025 C batch: 21-10-2025	Tuberculin, Johnin and Mallein testing in animal
30	A batch: 8-10-2025 B batch: 3-11-2025 C batch: 28-10-2025	Brucellosis testing in animals
31	A batch: 15-10-2025 B batch: 10-11-2025 C batch: 4-11-2025	Physical and chemical tests for detection of mastitis
32	A batch: 29-10-2025 B batch: 17-11-2025 C batch: 11-11-2025	Physical and chemical tests for detection of mastitis
33	A batch: 12-11-2025 B batch: 24-11-2025 C batch: 18-11-2025	Application of molecular techniques on clinical cases for disease diagnosis

34	A batch: 19-11-2025 B batch: 1-12-2025 C batch: 25-11-2025	Application of molecular techniques on clinical cases for disease diagnosis
35	A batch: 26-11-2025 B batch: 8-12-2025 C batch: 2-12-2025	Application of serological techniques on clinical cases for disease diagnosis
36	A batch: 3-12-2025 B batch: 15-12-2025 C batch: 9-12-2025	Application of serological techniques on clinical cases for disease diagnosis
37	A batch: 10-12-2025 B batch: 22-12-2025 C batch: 16-12-2025	Pen-side diagnostic tests for infectious diseases
38	A batch: 17-12-2025 B batch: 29-12-2025 C batch: 23-12-2025	Pen-side diagnostic tests for infectious diseases
39	A batch: 24-12-2025 B batch: 05-01-2026 C batch: 30-12-2025	Practical approaches in control of infectious diseases
40	A batch: 31-12-2025 B batch: 12-01-2026 C batch: 06-01-2026	Practical approaches in disease outbreak investigation
<b>UNIT-V (Viral and Parasitic Diseases)</b>		
41	A batch: 7-01-2026 B batch: 19-01-2026 C batch: 13-01-2026	Collection and examination of skin scrapings in parasitic diseases

42	A batch: 14-01-2025 B batch: 2-02-2026 C batch: 20-01-2026	Collection and examination of skin scrapings in fungal diseases
43	A batch: 21-01-2026 B batch: 9-02-2026 C batch: 27-01-2026	Collection and examination of skin scrapings in bacterial diseases
44	A batch: 28-01-2026 B batch: 16-02-2026 C batch: 03-02-2026	Examination of blood for parasites
45	A batch: 4-02-2026 B batch: 23-02-2026 C batch: 10-02-2026	Examination of blood for parasites
46	A batch: 11-02-2026 B batch: 02-03-2026 C batch: 17-02-2026	Examination of blood for parasites
47	A batch: 18-02-2026 B batch: 09-03-2026 C batch: 24-02-2026	Dark field microscopy
48	A batch: 25-02-2026 B batch: 16-03-2026 C batch: 10-03-2026	Dark field microscopy
49	A batch: 11-03-2026 B batch: 23-03-2026 C batch: 17-03-2026	Application of Molecular techniques on clinical samples for diagnosis of viral diseases.
50	A batch: 18-03-2026 B batch: 30-03-2026 C batch: 24-03-2026	Application of Molecular techniques on clinical samples for diagnosis of parasitic diseases.

51	A batch: 25-03-2026 B batch: 06-04-2026 C batch: 31-03-2026	Application of serological techniques on clinical samples for diagnosis of viral diseases.
52	A batch: 01-04-2026 B batch: 13-04-2026 C batch: 07-04-2026	Application of serological techniques on clinical samples for diagnosis of parasitic diseases.