

MJF COLLEGE OF VETERINARY AND ANIMAL SCIENCES, CHOMU, JAIPUR

DEPARTMENT OF VETERINARY PATHOLOGY

Course Outline for Theory (session: 2020-21)

Teaching Programe

UNIT-1,2,3,4,5,6		Course Title: veterinary Pathology		Credit Hrs: 4+2=6
Sr.No.	Date	Period	Topic to be covered	Hrs.
1.	4.8.2020	1	UNIT-1 (GENERAL VETERINARY PATHOLOGY) :Introduction and scope of Veterinary Pathology, Branches of pathology with definitions	1
2.	5.8.2020	1	Major intrinsic and extrinsic causes of disease.	1
3.	6.8.2020	1	Major exogenous pigments, Major endogenous pigments	1
4.	10.08.2020	1	Haemodynamic disorders – hyperaemia and congestion	1
5.	11.08.2020	1	Haemorrhage , terminology and its classification	1
6	13.08.2020	1	Glycogen overload, and fatty changes ,Amyloidosis	1
7	17.08.2020	1	Protein degeneration ,Carbohydrate degeneration Fat degeneration,	
8	18.08.2020	1	Photosensitization.	1
9	19.08.2020	1	Congestion	1
10	20.08.2020	1	Oedema. Difference between transudate and exudate	1
11	24.08.2020	1	Jaundice	1
12	25.08.2020	1	Infarction	1
13	26.08.2020	1	Wound healing, Differences between post-mortem autolysis and necrosis	1

14	27.08.2020	1	Thrombosis and its classification	1
15	1.09.2020	1	Embolism and its classification	1
16	2.09.2020	1	Hypersensitivity, Autoimmunity	1
17	3.09.2020	1	Necrosis and its types Gangrene and its types	1
18	7.09.2020	1	Metastatic and dystrophic calcification	1
19	8.09.2020	1	Disturbances in growth atrophy, hypertrophy	1
20	9.09.2020	1	Disturbances in growth (Aplasia, hypoplasia,)	1
21	10.09.2020	1	Inflammation and its Mediators	1
22	14.09.2020	1	Inflammation and its Systemic effects	1
23	15.09.2020	1	Various cell types and their functions	1
24	16.09.2020	1	UNIT-2 (SYSTEMIC VETERINARY PATHOLOGY) :Pathology of Digestive sysem –its anomaly	1
25	17.09.2020	1	Affections of salivary gland and stomach	1
26	21.09.2020	1	Enteritis and its classification	1
27	22.09.2020	1	Gastritis and liver cirrhosis	1
28	23.09.2020	1	Pathology of respiratory sysem- Rhinitis Nasal cavity, larynx	1
29	24.09.2020	1	Diseases of Bronchi and larynx	1
30	28.09.2020	1	Lungs and pleura	1
31	29.09.2020	1	Pneumonia with its stages and classification	1
33	30.09.2020	1	Sudden test	1
34	1.10.2020	1	Urinary System: Introduction and Developmental Anomalies.	1
35	5.10.2020	1	Functional Disturbances of Kidney.Pathology of pleura	1
36	6.10.2020	1	Pathology of cardiovascular sysem, developmental anomalies	1

37	7.10.2020	1	Affection of pericardium , Myocardium, Epicardium and Endocardium, Diseases of lymphatic vessels, artery and veins	1
38	8.10.2020	1	Pathological conditions affecting lymphoid system- Lymph node , lymph vessels and Spleen	1
39	12.10.2020	1	Pathological conditions affecting urinary system Glomerulonephritis, Nephrosclerosis and nephrocalsinosis.Affection of epicardium and endocardium	1
40	13.10.2020	1	Nephritis and its type Suppurative and Non suppurative type.	1
41	14.10.2020	1	Female reproductive system - its developmental anomalies,	1
42	15.10.2020	1	Degenerative processes in kidney including Nephrosis and toxic Nephrosis.	1
43	19.10.2020	1	Urolithiasis and Urinary Casts	1
44	20.10.2020	1	Metritis, Diseases of ovary and fallopian tube	1
45	21.10.2020	1	Mastitis, Pathology of Ureter, pathology of Urethra and pathology of Urinary bladder.	1
46	22.10.2020	1	SKIN AND ITS APPENDAGES- Introduction and common terms used in cutaneous system. Developmental Anomalies related to cutaneous system. Eczema.	1
47	26.10.2020	1	Dermatitis and its various types.	1
48	27.10.2020	1	Male reproductive system- its developmental anomalies	1
49	28.10.2020	1	Diseases of testis,spermatic cord and others and Epididymis	1
50	29.10.2020	1	Endocrine systems- Diseases of Thyroid gland	1
51	2.11.2020	1	Hemopoietic System; Introduction and terms used in describing anemias. Dyshemopoietic Anemia.	1
52	3.11.2020	1	Pathological conditions affecting musculo-skeletal system- Muscle, Bone,	1
53	4.11.2020	1	Pathological conditions affecting musculo-skeletal system-	1

			Ligament and tendon	
54	5.11.2020	1	Pathological conditions affecting Endocrine system- Diseases of pituitary gland , adrenal gland	1
55	9.11.2020	1	UNIT-4 (PATHOLOGY OF INFECTIOUS AND NON-INFECTIOUS DISEASES OF DOMESTIC ANIMALS) : Pathology of bacterial infections: Pathogenesis, gross and microscopic pathology of tuberculosis, Johne's disease	1
56	10.11.2020	1	Actinomycosis, actinobacillosis,	1
57	17.11.2020	1	Pathology of Lymphnodes.	1
58	18.11.2020	1	Pathology of Thymus , Pathology of Bursa and Pathology of Spleen.	1
59	19.11.2020	1	Anthrax, Staphylococosis, Brucellosis,	1
60	23.11.2020	1	Pathology of nervous system. Pathology of eye and ear .	1
61	24.11.2020	1	Streptococosis including strangles in horses, glanders	1
62	25.11.2020	1	Pasteurellosis, Swine erysipelas	1
63	26.11.2020	1	Leptospirosis, listeriosis, Foot and mouth disease. Rinderpest Disease.	1
64	1.12.2020	1	Malignant catarrhal fever and Blue Tongue. Infectious Bovine Rhinotracheitis.	1
65	2.12.2020	1	Peste des petitis, Equine viral arteritis, Bovine viral Diarrhoea.	1
66	3.12.2020	1	Pathogenesis, gross and microscopic pathology of fasciolosis, Babesiosis	1
67	7.12.2020	1	Equine infectious Anemia, Equine Influenza, Equine Rhinopneumonitis.	1
68	8.12.2020	1	Theileriosis and trypanosomosis. Swine Influenza, Rabies Classical Swine Fever,	1
69	9.12.2020	1	Pathological changes (in brief) of amphistomiasis, ascariasis,	1
70	10.12.2020	1	Strongylosis, haemonchosis, Canine distemper, Feline	1

			Penleukopenia Infectious canine Hepatitis,	
71	14.12.2020	1	Maedi, Jaagziekte, canine parvo viral infection.	1
72	15.12.2020	1	Pox virus diseases in different animals. Vesicular Stomatitis, Vesicular exanthema	1
73	16.12.2020	1	Clostridial group of diseases (black quarter, black disease, enterotoxaemia, braxy, botulism tetanus),	1
74	17.12.2020	1	Coccidiosis, toxoplasmosis, cryptosporidiosis, Hookworm, tapeworm infections.	1
75	21.12.2020	1	Equine Encephelomyelitis and Diseases caused by Rota virus and corona virus. Scrapie and Bovine and Feline Spongiform encephelitis.	1
76	22.12.2020	1	Metabolic diseases (pregnancy toxaemia, , azoturia, and sway backorenzootic ataxia, pica).	1
77	23.12.2020	1	Pathological changes of nutritional imbalances (in brief)in domestic animals as well as avian due to carbohydrates, proteins, fatsPathological changes of Minerals and vitamins continue	1
78	24.12.2020	1	Contagious Bovine Pleuropneumonia. Contagious caprinepleuropneumonia, porcine enzootic Pneumonia	1
79	28.12.2020	1	Diseases of chlamydial group- Q- fever. Anaplasmosis and ehrlichiosis.	1
80	29.12.2020	1	Dermatophytosis,Aspergillosis,Zygomycosis,Histoplasmosis. Cryptococcosis,Rhinosporidiosis and candidiasis.	1
81	30.12.2020	1	UNIT-3 (ANIMAL ONCOLOGY, VETERINARY CLINICAL PATHOLOGY AND NECROPSY) Animal Oncology- Definitions, General characteristics and classification of neoplasm.	1
82	31.12.2020	1	tumour immunity, effects and diagnosis of tumours, staging and grading of neoplasms.	1
83	18.01.2021	1	Diffrence between benign and malignant tumours,	1

84	19.01.2021	1	Classification of tumours, Aetiology, Carcinogenesis, and spread of neoplasms,	1
85	21.01.2021	1	Pathology of various types of tumours in domestic animals (epithelial,connective tissue, hematopoietic tissue etc.)	1
86	25.1.2021	1	Urinalysis- Interpretation of physical, chemical and microscopic examination of urine.	1
87	27.01.2021	1	Writing of post mortem report, veterolegalnecropsy ,veterolegal wounds	1
88	28.01.2021	1	Pathology of viral infections: Pathology of foot and mouth disease, rinderpest, Malignant catarrhal fever	1
89	1.02.2021	1	Blue tongue, infectious bovine rhinotracheitis, bovine viral diarrhea	1
90	2.02.2021	1	Swine influenza, Peste des Petitis (PPR),equine infectious anaemia, equine influenza	1
91	3.02.2021	1	rabies, canine distemper, infectious canine hepatitis	1
92	4.2.2021	1	canine parvovirus infection, feline panleukopenia	1
93	8.2.2021	1	Equine viral arteritis, equine rhinopneumonitis, classical swine fever	1
94	9.2.2021	1	maedi, jaagziekte, pox virus diseases in different animals.	1
95	10.2.2021	1	Vesicular stomatitis, vesicular exanthema, equine encephalomyelitis	1
96	11.2.2021	1	Diseases caused by rota and corona viruses. Pathology of bacterial infections: Pathogenesis, gross and microscopic pathology of tuberculosis,	1
97	15.2.2021	1	Johne's disease, actinomycosis,	1
98	16.2.2021	1	Pathology of prion diseases- scrapie, bovine and feline spongiform encephalopathies).	1
99	17.2.2021	1	Streptococosis including strangles in horses, staphylococosis, glanders.	1
100	18.2.2021	1	leptospirosis, listeriosis.	1
101	22.2.2021	1	Brucellosis	1
102	23.2.2021	1	corynebacterium infections (caseous lymphadenitis, pseudotuberculosis)	1
103	24.2.2021	1	Pathogenesis, gross and microscopic pathology of mycoplasma	1

			infection (contagious bovine pleuropneumonia, contagious caprine pleuropneumonia, porcine enzootic pneumonia)	
104	25.2.2021	1	Pathogenesis, gross and microscopic pathology of superficial and deep mycoses - ringworm (dermatophytosis), aspergillosis, zygomycosis.	1
105	8.03.2021	1	Pathogenesis, gross and microscopic pathology of aflatoxicosis, ochratoxicosis, trichothecosis, Degnala disease and ergototoxicosis	1
106	9.03.2021	1	Pathogenesis, gross and microscopic pathology of fasciolosis, babesiosis, theileriosis	1
107	10.03.2021	1	Trypanosomosis. Pathological changes (in brief) of amphiostomiasis, ascariasis, strongylosis,	1
108	15.03.2021	1	Metabolic diseases (pregnancy toxemia, post-parturient haemoglobinuria, hypomagnesemic tetany	1
109	16.03.2021	1	azoturia, and sway back/renzootic ataxia, pica and Rheumatism like syndrome).	1
110	17.03.2021	1	Gross and microscopic pathology in (brief) of toxicities like arsenic, copper, lead, mercury,	1
111	18.03.2021	1	Cadmium, strychnine	1
112	22.03.2021	1	nitrate/nitrite, hydrocyanic acid,	1
113	23.03.2021	1	UNIT-5 (AVIAN PATHOLOGY)-Viral disease: pathogenesis, gross and microscopic pathology of Ranikhet disease, infectious bursal disease,	1
114	24.03.2021	1	Fowl pox, avian influenza,	1
115	25.03.2021	1	infectious bronchitis, infectious laryngotracheitis.	1
116	30.03.2021	1	marek's disease	1
117	31.03.2021	1	leukosis/sarcoma group of disease.	1
118	1.04.2021	1	Avian nephritis, egg drop syndrome	1
119	5.04.2021	1	infectious stunting syndrome, reovirus infection.	1
120	6.04.2021	1	Bacterial disease: pathogenesis, gross and microscopic pathology of Colibacillosis (Colisepticaemia, yolk sac infection)	1
121	7.04.2021	1	egg peritonitis, coligranuloma), infectious coryza.	1
122	8.04.2021	1	Clostridial diseases (botulism, necrotic enteritis, gangrenous dermatitis, ulcerative enteritis).	1
123	10.04.2021	1	Salmonellosis (Pullorum disease)	1
124	12.04.2020	1	Salmonellosis (fowl typhoid, paratyphoid infection).	
125	15.04.2021	1	tuberculosis and spirochaetosis.	1
126	19.04.2021	1	Mycoplasma gallisepticum infection (chronic respiratory disease),	1
127	20.04.2021	1	Mycoplasma synoviae infection, Avian chlamydiosis (psittacosis).	1
128	22.04.2021	1	Protozoal diseases (coccidiosis, histomoniasis)	1
129	26.04.2021	1	Nutritional and metabolic diseases: pathogenesis, gross and microscopic pathology of major diseases due to deficiency/excess of carbohydrates, proteins, minerals and vitamins in poultry.	1
130	27.04.2021	1	Nutritional and metabolic diseases: pathogenesis, gross and	1

			microscopic pathology of major diseases due to deficiency/excess of carbohydrates, proteins, minerals and vitamins in poultry.	
131	28.04.2021	1	Gross and microscopic pathology of nutritional imbalances due to carbohydrates, proteins, minerals and vitamins	1
132	29.04.2021	1	Miscellaneous diseases (Heat stroke, vent gleet, internal layer, false layer, pendulous crop	1
133	10.05.2021	1	Impaction of oviduct, egg bound condition, bumble foot)	1
134	11.05.2021	1	Breast blister, ascites syndrome, fatty liver and kidney syndrome.	1
135	12.05.2021	1	Fatty liver syndrome, cage layer fatigue, gout, hemorrhagic syndrome, round heart disease.	1
136	13.05.2021	1	common vices of poultry, ectoparasite in poultry	1
137	17.05.2021	1	UNIT-6 (PATHOLOGY OF DISEASES OF LABORATORY AND WILD ANIMALS) -Pathology of Tyzzer's disease, Pseudo-tuberculosis)in rats, mice, and guinea pigs	1
138	18.05.2021	1	Pathology of salmonellosis in rats, mice, and guinea pigs	1
139	19.05.2021	1	Pathology of miscellaneous diseases of rats, mice, and guinea pigs	1
140	20.05.2021	1	Pathology of miscellaneous diseases of rats, mice, and guinea pigs	1
141	24.05.2021	1	Pathology of Treponematosis, Enterotoxaemia, Rabbit pox	1
142	25.05.2020	1	Gross and microscopic pathology of important diseases of wild animals (West Nile Fever ,Kyasanaur forest disease	1
143	26. 05.2021	1	Gross and microscopic pathology of important diseases of wild animals (Infectious hepatitis virus,	1
144	27.05.2021	1	Gross and microscopic pathology of important diseases of wild animals- Anthrax, Tuberculosis.)	1
145	31.05.2021		Pathology of important diseases of rats, mice, and guinea pigs continue	1
146	8.06.2021	1	Pathology of Pasteurellosis, Blue breasts in rabbit Infantile diarrhea, Murine hepatitis virus in rats, mice, and guinea pigs	1
147	9.06.2021	1	Gross and microscopic pathology of important diseases of wild animals- Colibacillosis, FMD Treponematosis, Papillomatosis ,	1
148	10.06.2021	1	Pathology of Enterotoxaemia in rabbit	1
149	14.06.2021	1	Pathology of West Nile Fever, Rabies in wild animals	1
150	15.06.2021	1	Brucellosis, corynebacterium infections revision	1
151	16.06.2021	1	Pathology of Coccidiosis, Mite infestation in rabbit	1
152	17.06.2021	1	Wild animals diseases- Infectious hepatitis virus	1
153	21.06.2021	1	Infectious ectromelia,Lymphocytic choriomeningitis rats, mice, and guinea pigs	1
154	22.06.2021	1	Wild animals diseases- West Nile Fever, Rabies, FMD	1
155	23.06.2021	1	Wild animals diseases- Colibacillosis, Clostridial infections Trypanosomosis,	1
156	24.06.2021	1	Wild animals diseases- Babesiosis, Theileriosis,	1
157	28.06.2021	1	Marek's disease, leukosis/sarcoma group of diseases, reticuloendotheliosis revision	1
158	29.06.2021	1	Wild animals diseases-, Pox, Kyasanaur forest disease	1
159	30.06.2021	1	Nutritional deficiency diseases in wild animals	1

160	1.07.2021	1	Class test discussion	1
161	5.07.2021	1	Class test	1
162	6.07.2021	1	Class test discussion	1
163	7.07.2021	1	Class test	1
164	8.07.2021	1	Important question revision	1

Signature of Head of Department