VMD 411: Veterinary Clinical Medicine-I (General and Systemic) (2+1)

I. DEFINE / EXPLAIN

1. Gurgling/borborygmyi
2. Fedding tube – types & indications
3. Blood typing
4. Cross matching – blood
5. Sepsis
6. Coagulation cascade
7. Coagulation factors
8. Hemostatic tests – indications
9. Common hemostatic tests in practice
10. Indications of blood component therapy
11. How do you calculate the volume of blood transfusion?
12. vWD
13. DIC
14. Rodenticide poisoning
15. Acute abdomen
16. Indications of oxygen therapy
17. Rate of oxygen therapy
18. In poison suspected case, what samples you will collect and list the suspects?
19. Types of cardiac arrhythmia in relation to poisoning and their treatment
20. Shock & its types
21. Signs of shock
22. Treatment for anaphylactic shock
23. Clinical signs & Treatment for ivermectin poisoning
24. COP protocol

25. Difference between CRF & ARF
26. Teratology of fallot
27. Patent ductus arteriosus
28. Ventricular septal defect
29. Endocarditis
30. Ascities
31. CHF
32. Cardiac arrhythmia
33. Lymphadenopathy
34. Leukopenia
35. Thrombocytopenia
36. Vasculitis
37. Palpable lymph nodes in different species
38. Omphalophlebitis
39. Portosystemic shunt
40. IMHA
41. Heinz body anemia
42. Heartworm disease
43. Diabetes mellitus
44. Blood glucose estimation and normal values in domestic animals
45. Peritonitis
46. Chylothorax
47. COPD
48. Bronchitis
49. Atrophic rhinitis
50. Aspergillosis
51. Shipping fever
52. Laryngitis
53. Dyspnea & its types

54. Gutteral pouch empyema
55. Gutteral pouch mycosis
56. Gutteral pouch tympany
57. IBR
58. Epistaxis
59. Coryza Or Nasal Cattarah
60. Differentiation between acute & chronic rhinitis
61. Croupous Rhinitis
62. Follicular Rhinitis
63. Differentiation between cruopous & follicular rhinitis
64. Hyperpnea
65. Cough
66. Anoxia & its types
67. "Hypercapnia"
68. Rales & its types
69. Traumatic reticulo peritonitis
70. Clinical signs of TRP
71. Colic in Horse & its types
72. What are the three main clinical parameters to be assessed in colic horse and what is your interpretation?
73. GDV & hallmark signs
74. SIBO
75. Proctitis
76. Colitis
77. Types of diarrhoea
78. LDA & hallmark signs
79. Anatomical location of different organs in cow
80. Anatomical location of different organs in dog

81. Anatomical location of different organs in horse
82. Ruminal tympany/bloat
83. Vomiting
84. Retching
85. Septicemia
86. Toxemia
87. Hyperpnoea
88. Polypnoea
89. Oligopnoea
90. PUO
91. Hyperthermia
92. Hypothermia
93. Fever
94. Ephemeral fever
95. Code of Hamurabi
96. Humoral theory
97. Contagious theory
98. Germ theory
99. Disease

II. SHORT ANSWERS

1. Write in brief about importance of Indian Veterinary history.
2. Which is the golden period of veterinary medicine in ancient India. Describe.
3. Write about the historical development in Mauryan age.
4. Write about the significance of Ayurveda in vedic & Epic period.
5. Write about the historical developments in Harappan & Vedic culture.
6. Define disease. Classify the disease.
7. Write about the Hippocrates and Humoral theory.
8. Explain: ICEBERG concept, ENDEMIC STABILITY concept, HERD IMMUNITY concept.
9. What is three day fever in animals? Write the etiology, clinical findings, diagnosis, treatment and control.
10. Write the treatment of septicemia in equine neonates.
11. What is fluid therapy? Write the doses for different species. Write about the selection of fluids for different conditions.(indications)
12. Exercise Induced Pulmonary Hemorrhage – explain.
13. List out the diseases of pharynx, larynx and trachea. Explain
14. Write in detail about the HEART DISEASE in DOGS.
15. What is IMHA? How do you differentiate IMHA with Heinz body anemia?
16. What are the reasons of blood loss / haemorrhage – internal or external?
17. Write about lymphadenopathy.
18. Write about the heart sounds.
19. Elaborate the treatment for pericardial effusions.

III. ESSAYS

1. Write about the ancient Indian expertise in relation with Equine, Elephant & Bovine Medicine.
2. Elaborate in detail the concepts of diseases with relation to different theories.
3. Write about the importance of differential diagnosis in identifying a disease.
4. What are the general methods of examination?
5. Define Hypothermia. What are the signs, classification, prevention and write about its treatment and management.
6. Define Hyperthermia. What are the signs, classification, prevention and write about its
treatment and management.
7. What is PUO? How do you approach the case? Write in detail.
8. Differentiate Septicemia and toxemia. Write their control measures
9. Exercise Induced Pulmonary Hemorrhage and its treatment.
10. Write about the different vital signs ad their clinical significance.
11. Write in detail the diseases of respiratory system and their clinical approach with suitable examples.
12. What is coagulopathy? Explain about DIC.
13. Why do you examine mucous membrane and lymph node? What is its significance?
14. Write about the diseases of blood vessels.
15. Define anemia. Write the classification and ways to approach the case.
16. List out the congenital defects of cardio vascular system and write in detail.
17. Write in detail about the examination of cardio vascular system.
18. Compare acute heart failure with congestive heart failure. Write the treatment procedures.
19. What is peripheral circulatory failure? Write in detail about the clinical diagnosis and treatment.