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All questions should be answered

١-Full account on (١٠ marks, two for each)

- a-Haemolytic jaundice.
- b- Glucose tolerance test
- c-Laboratory detection of acute pancreatitis .
- d-Azotemia .
- e-Cholestatic enzyme markers.

٢-Short notes on (٩ marks, ١,٥ for each)

- a-Hyperkalemia .
- b-Hypocalcaemia
- c-Hypoalbuminemia .
- d- Serum fructosamine
- e-Serum Creatinine .
- f-CPK

٣-Mention which of the following sentences is false or true .
(٦ marks, ١,٥ for each)

- a- Jaundice, in the absence of anemia, is good indication of hepatic disease.
- b- Gastrointestinal hemorrhage increase Creatinine .
- c- Hyperkalemia is associated with hypoglycemia and acidosis
- d- Stercobilin present in feces from animals suffered from obstructive jaundice.
- e- Ketonuria usually follows detectable ketonemia.
- f- Incidence of gout is high in dogs than in human.
- g- The animals suffered from renal disease have high serum amylase activity.
- h- High serum cholesterol reflects a high level of HDL
- i- LDH is much less useful than CK and AST for determining muscle damage.
- j- Hyperfibrinogenemia indicates inflammatory conditions .
- k- Portosystemic shunt increase bile acids levels in serum
- l- Chronic hepatitis increase bilirubin in birds.

Good luck