

**Q 1. Fill in the spaces below with most appropriate word/words? 25 mark**

1. The normal pH in milk is -----.
2. Cryptosporidium species in the feces stain by -----.
3. In phenothiazine treatment, the colour of milk change to -----.
4. In Hotis test, the appearance of yellow colonies along the sides of tubes or on the bottom indicates the infection due to -----.
5. The rumen fluid become very rapid sedimentation with no floatation in case - -----, ----- and -----.
6. A fully active rumen fluid will digest the cellulose foaming. within ----- hours.
7. In glucose fermentation test added 0.5 ml of 16 % glucose solution is to 10 ml of rumen fluid and place the mixture in a ----- and keep at 39 c°.
8. ----- stain used for diagnosis Nocardia asteroides, Brucella spp. and Chlamydia psittaci.
9. The specific gravity of most parasite eggs is between-----.
10. ----- larvae of lung worms have round head and the tail is end up in dorsal spine and wavy tail.

**Q2- Answer on three branch only? (25 mark)**

- A- Explain Chloride test in milk examination?
- B- Explain the Methylene blue reduction test of the rumen fluid?
- C- Explain Pour plate method for bacterial cell count?
- D- Mention Causes of failure of faecal examination in the diagnosis of parasitic infection?

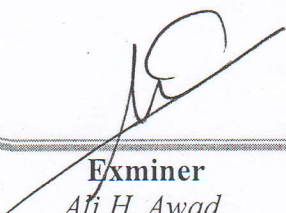
**Q3- Answer on three branch only? ( 25 mark)**

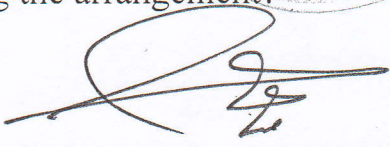
- A- Mention the advantages uses of the culture media?
- B- Mention the different between exudate and transudate?
- C- Talk about modified Knott's technique for diagnosis microfilariae?
- D- Explain the digestion concentrated technique for mites diagnosis?

**Q4- Answer on the following? (25 mark)**

- A- Explain the tube dilution test in antibiotic sensitivity test?
- B- Explain the *White slide test* in milk examination?
- C- Mention classification of the bacteria according the arrangement?

Good Luck

  
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