



Please answer the following:- (Model A)

(ILOs: a4, a5, a6, a7, a8 a9, b1 to b4)

I- First question True or false T&F (5 marks)

- 1- Dioxin residues and PCBs in milk are readily destroyed by heat
- 2- Milk has all the essential amino acid.
- 3- Human get aflatoxicosis, through: inhalation, consumption and direct contact
- 4- Tolerance levels of pesticide residues is the maximum amount of a particular pesticide residue that is permitted to be in or on food.
- 5- Residues are any specified substance in food, animal feed or agricultural commodities and its metabolites and can be easily avoidable.
- 6- Contaminants are any substance contaminate food materials and can be easily avoidable.
- 7- The lactose sugar in milk decreases towards the end of lactation period.
- 8-The indicator should not be present as a natural contaminant of the material being analyzed.
- 9- Enterococci are a better indicator of sanitary quality than *E. coli* especially in heat treated foods, frozen or dried foods.
- 10-Brucellosis is not an occupational disease.
- 11- Gram-negative bacteria require higher water activity than Gram-positive bacteria.
- 12- FMD virus contaminates milk through ruptured vesicles on udder during milking.
- 13-Yersiniosis is a disease of human origin.
- 14-Psychrotrophic bacteria are spoilage bacteria and can grow at 7°C for 48hrs.
- 15- Stormy fermentation test used for detection of faecal Coliforms.
- 16- Direct microscopic count is useful in counting bacteria in raw milk cheese.
- 17- Proteolytic bacteria can be counted directly on skim milk agar after incubation at 32 °C for 2 days.



- 18- Total yeast and mould count is used as index for unhygienic production of dairy products.
- 19- Blood stained sediment of milk indicate chronic mastitis
- 20- Milk adulteration has economic impact but of no public health importance.
- 21- Excess milk and gross soil must be rinsed from utensils by warm, clean water before using detergent.
- 22- Dairy animal should be given dry feed one hour before or during milking to be calm.
- 23- Milk of dairy animal treated with antibiotics, must be excluded till withdrawal time end.
- 24- Dairy men must be tested regularly for infectious diseases and only active cases must be prevented from contact with milk.
- 25- Dairy farm water supply must be cleaned and disinfected periodically.

II- Second question Choose the correct answer:- MCQ (20 marks)

1- True about cow's milk are all except:

- A- Contains 20% whey protein B- Has less carbohydrate than mother's milk
C- Has more K⁺ and Na⁺ than infant formula feeds
D- Has less protein than breast milk

2- Polychlorinated biphenyles (PCBs) is:

- A- Man made chemicals B- Naturally occurring chemicals
C- Decompose readily D- Not chlorinated

3- In milk, the whey proteins are insolution and the casein in colloidal suspension.

- A- Water B- Colloidal C- Fat D- Gas

4- Casein cannot be classified as

- A- α - casein B- β - casein C- κ -casein D- Delta- casein

5- Which of the following ways is not to make caseinate particles flocculate and coagulate?

- A- Precipitation by acid B- Precipitation by enzymes
C- Precipitation by water D- None of the mentioned