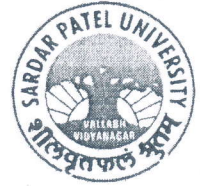


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VALLABH VIDYANAGAR-388120

Seat No. : _____



Bachelor of Science (Semester IV) Internal Examination - 2026
US04MAMIC01

Microbial flora of human host & Microbiology of food and milk.

Date: 7/03/ 2026

Time: 02:45 p.m. to 04:15 p.m.

Total marks : 30

Q-1 Answer the following Multiple Choice Questions

(06)

1. The degree of pathogenicity is called :
A. Attenuation B. Exaltation C. Virulence D. All of them.
2. The infection which has a long duration is known as :
A. Acute B. Chronic C. Fulminating D. Sub clinical
3. The cellular components of blood float in a fluid portion called:
A. Plasma B. Serum C. Nacl D. None of them.
4. Which of the following is an extrinsic parameter of food?
A. Moisture content B. pH C Storage temperature D None of them.
5. Which of the following sugar is present in milk?
A. Glucose B. Lactose C. Sucrose D. All of them.
6. Mastitis is the inflammation of:
A. Udder B. Mouth C. Stomach D. Liver.



Q-2 Write in detail on normal flora of skin and Intestinal tract.

(06)

OR

Q-2 Describe various events in infection following penetration.

(06)

Q-3 Describe Acute inflammation in detail.

(06)

OR

Q-3 Write in detail on Phagocytosis.

(06)

Q-4 Describe intrinsic parameters affecting number and types of microorganisms in food.

(06)

OR

Q-4 Enlist different methods of food preservation and describe any two in detail.

(06)

Q-5 Describe various sources of contamination in milk.

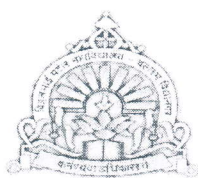
(06)

OR

Q-5 Write a note on manufacturing of Cheese.

(06)

Seat No. : _____



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Total marks : 15

Quiz

Q-1 Fill in the blank

- 1) ----- enzyme is secreted in tears. (Lysozyme/ Gelatinase)
- 2) The lethal dose of exotoxini is _____. (Large / Small)
- 3) ----- is the example of Phagocytic cell. (Lymphocyte / Macrophage)
- 4) The immediate response of body to injury or cell death is called _____. (Acute / Chronic inflammation)
- 5) The process of canning uses ----- temperature (High / Low)
- 6) The refrigeration mostly slows down the growth of ----- bacteria (Mesophilic / Thermophilic)
- 7) Resazurin is the type of ----- test (Oxidase / Reductase)
- 8) Due to action of microorganisms, fat is hydrolysed to ----- (Alcohol / Glycerol)



08

Q-2 State TRUE OR FALSE

07

- 1) Gnotobiotic animals require vitamin K.
- 2) The decrease in virulence power of organism is called exaltation.
- 3) The Plasma has a soluble protein called Plasminogen.
- 4) Neutrophilia is commonly observed in bacterial infection.
- 5) Fruits are more susceptible to fungal growth due to low pH.
- 6) Gelatin is the protein present in milk.
- 7) The Phosphatase test is used to determine efficiency of Pasteurization.