

SANGAM SKM COLLEGE – NADI

YEAR 13

HOME ECONOMICS

WEEK 5 WORKSHEET

MODEL ANSWERS

FOOD COMMODITY MILK

1.
 - a. Explain as why milk has high biological value of proteins.
 - **Milk contains all essential amino acids needed by the body**
 - b. Discuss as why milk has a sandy mouth feel.
 - **The particular mouthful (sandy feel) of milk results from the emulsion milk fat and colloidally dispersed protein.**
 - c. Discuss the importance of hygiene when handling milk.
 - **Minimize or prevent contamination caused due to entry of pathogens and bacteria from unhygienic milking procedures, equipment, milk contact surfaces, handlers, and storage or packaging conditions. Provide only highest quality and safe dairy products for end consumers**
2. State the behavior of calcium and phosphorous when milk is heated.
 - **Calcium and phosphorous are separated when milk is heated. Calcium will rise to the top with the surface scum and phosphorous will fall to the bottom with the formation of the precipitate.**
3. Name the food product that is achieved when milk is fermented using:
 - i. Acid - **cottage cheese**
 - ii. Enzyme - **cheddar cheese**