Kafrelsheikh University Faculty of veterinary medicine Department of food control Subject: Milk hygiene 1st semseter Code: 4th year student Name:

Date 19/1/2017 Time allowed: 2hrs Number of pages: two Full marks: 25

(2.5marks/ 0.5 mark each)

Academic number:

Please answer the following:-

<u>I- First question</u> (6 marks) (A1,A3,A4&B1-B4)

A) Write on :-	(3marks/1.5 marks each)
1-Hormones regulating milk synthesis and letder	own, their role and factors affecting
their secretions.	
2- Organchlorines residues in milk, sources of	contamination and their public health
impact.	
B) Fill in the spaces:-	(3marks/one mark each)
1- Fatty acids in milk are	
2- One cup of milk (250 ml) provide the body and about gm of proteins.	with energy equalKcal
3- Economical impacts of miss use of anti	
II- Second question (6 marks) (A	
A) Discuss in detail :-	
1- ABR test (advantage, idea, procedure and2- Classification of microorganisms accordi	
B) Indicate True (T) or False (F):	(2 marks, 0.5 mark each)
1. <i>E. coli</i> is a better indicator of sanitary que heat treated, frozen or dried foods.	
2. Molds grow at low pH values (3.5 - 4).	
3. The indicator should be present as a natu analyzed.	ral contaminant of the material being
4. The presence of <i>S. aureus</i> in milk is a go workers.	od indicator of the personal hygiene of
<u>III- Third question</u> (7 marks) (A	11, A2 ,A4, A5&B1-B4)
A) Write on the following:-	(3marks/ 1.5 marks each)
1. Sweat curdling of milk.	
2. Stormy fermentation test.	
B) In table compare between:-	(1.5 marks)

C) Give reason(s) of the following:-

1. Ropy milk and mastitis milk.

1. APT test is preferable than COB test.

2. Catalase enzyme is of sanitary importance.

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- 4. Sediment of milk used to detect keeping quality of milk.
- 5. Acidity tests should not use as sole criteria for accepting or rejecting milk.

· · · · · · · · · · · · · · · · · · ·	<u>tion</u> (6 marks) (A1, A2, A3, A4&B1-B m healthy dairy animal under hygienic	
-	quirements should be taken just before,	
after milking process.		(2 marks)
2- Summarize the requirem	(1 mark)	
B. Describe the mode of action	(1 mark)	
C. Choose the correct answer	:- (2 marks,	0.5 mark each)
1-Normal acidity of milk is	s due to presence of	
a) proteins	b) phosphates	c) citrates
d) co_2	e) all of the previous	
2-light scatter photometer i	is used for determination of	
a) milk casein	b) milk fat	c) milk S.N.F
d) ash content	f) all of the previous	
3-Winther Blyth test is pos	itive in case of adulteration of milk by	
a) preservatives	b) water	c) skimming
d) starch	e) all of the previous	
4 and could detect milk stone	is a sanitizer with high bact	ericidal activity
a) Chloramines	b) iodophores	c) Q.A.Cs
,	e) all of the previous	0, 2.11.00
d) Hypochlorites	e) an or the previous	

With best wishes

Staff members of food control department

Head of department

Prof. Dr. Azza M.M. Deeb