

Name of Course: XII Animal Husbandry and Dairy Technology (MA, MB, MC)

Paper- I Dairy Production and Management (MA)

Blue Print

Sr. No.	Unit	Knowledge			Understanding			Application			skill			Total Marks	Total marks with option
		Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer		
1	Routine management practices		2(1)	-		4(1)	-	-	8(2)		-	8(2)	8(1)	20	30
2	Dairy cattle and buffalo management	2(2)		-	4(4)	-	-	-	4(1)		-	4(2) 4(1)	-	14	18
3	Diseases of dairy animals		-	-		8(4)		2(2)	2(1)		-		-	8	12
4	Dairy chemistry	2(2)	-	-		4(1)	-	-	4(1)	8(1)	-		-	14	18
5	Dairy microbiology					4(2)		4(4)	4(2)					8	12
6	Dairy co-operatives	2(2)		8(1)		8(2)			4(1)	8(1)				16	30
		6	2	8	4	28		6	26	16	-	16	8		
Total		16			32			48			24			80	120

Weightage of marks :-

Objective -1 Mark

Short answer questions –2 or 4 Marks

Figures in bracket indicate the number of questions.

Long answer questions – 8 Marks

Figures outside the bracket indicate total marks.

Name of Course: XII Animal Husbandry and Dairy Technology (MA, MB, MC)

Paper- II Milk Processing (MB)

Blue Print

Sr. No.	Unit	Knowledge			Understanding			Application			skill			Total Marks	Total marks with option
		Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer		
1	Dairy plant accessories and metals	2(2)	4(2)			6(3)			4(2)	-	-		-	10	16
2	Raw milk reception dock					-			8(2)		-		8(1)	12	16
3	Milk processing and special milk					6(3)		6(6)	2(1)	8(1)	--	8(2)	-	20	30
4	Steam generation and refrigeration	2(2)				4(1)	8(1)	6(6)	2(1)			8(2)		20	30
5	Cleaning, sanitization and effluent treatment		8(2)							8(1)				12	16
6	Milko -tester and packaging					8(2)			4(1)					6	12
		4	12			24	8	12	20	16	-	16	8		
Total		16			32			48			24			80	120

Weightage of marks :-

Objectives -1 Mark

Short answer questions –2 or 4 Marks

Figures in bracket indicate the number of questions.

Long answer questions – 8 Marks

Figures outside the bracket indicate total marks.

Name of Course: XII Animal Husbandry and Dairy Technology (MA, MB, MC)

Paper- III Milk Products (MC)

Blue Print

Sr. No.	Unit	Knowledge			Understanding			Application			skill			Total Marks	Total marks with option
		Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer	Objectives	Short Answer	Long Answer		
1	Concentrated milk products	2(2)	-	-		6(3)		-	4(1)		-		-	5	12
2	Fermented and coagulated milk products	2((2)	8(2)	-			8(1)	-	4(2)		-	8(2)	-	20	30
3	Fat rich milk products	2(2)	-	-		8(2)		-		16(2)	-	4(2)	-	25	30
4	Frozen milk products and dried milks	2(2)		-	-	8(2)	-		4(1)		-		-	7	14
5	Cheese				2(2)			2(2)	6(3)			2(1)	8(1)	15	20
6	Legal standards for milk and milk products							4(4)	8(2)			2(1)		8	14
		8	8		2	22	8	6	26	16	-	16	8		
Total		16			32			48			24			80	120

Weightage of marks :-

Objectives -1 Mark

Short answer questions –2 or 4 Marks

Figures in bracket indicate the number of questions.

Long answer questions – 8 Marks

Figures outside the bracket indicate total marks.

Name of Course: XII Animal Husbandry and Dairy Technology(HA, HB, HC)

Paper I Dairy Production and Management (HA)

Time: 3.00 Hrs.

80 Marks

A) Unitwise Distribution of Marks:

Sr. No.	Unit	Marks	Marks with option
1	Routine management practices	20	30
2	Dairy cattle and buffalo management	14	18
3	Diseases of dairy animals	08	12
4	Dairy chemistry	14	18
5	Dairy microbiology	08	12
6	Dairy co-operatives	16	30
Total:		80	120

B) Objectivewise Distribution of Marks:

Sr. No.	Objective	Marks	Marks with option
1	Knowledge	16	16
2	Understanding	16	32
3	Application	32	48
4	Skill	16	24
Total:		80	120

C) Questionwise Distribution of Marks:

Sr. No.	Type of question	Percentage of Marks	Marks	Marks with option
1	Objective	20	16	16
2	Short answer	60	48	72
3	Long answer	20	16	32
Total:		100	80	120

Name of Course: XII Animal Husbandry and Dairy Technology(HA, HB, HC)

Paper II Milk Processing (HB)

Time: 3.00 Hrs.

80 Marks

A) Unitwise Distribution of Marks:

Sr. No.	Unit	Marks	Marks with Option
1	Dairy plant accessories and metals	10	16
2	Raw milk reception dock	12	16
3	Milk processing and special milk	20	30
4	Steam generation and refrigeration	20	30
5	Cleaning, sanitization and effluent treatment	12	16
6	Milko tester and packaging	06	12
Total:		80	120

B) Objectivewise Distribution of Marks:

Sr. No.	Objective	Marks	Marks with option
1	Knowledge	16	16
2	Understanding	16	32
3	Application	32	48
4	Skill	16	24
Total:		80	120

C) Questionwise Distribution of Marks:

Sr. No.	Type of question	Percentage of Marks	Marks	Marks with option
1	Objective	20	16	16
2	Short answer	60	48	72
3	Long answer	20	16	32
Total:		100	80	120

Name of Course: XII Animal Husbandry and Dairy Technology(HA, HB, HC)

Paper III Milk Products (HC)

Time: 3.00 Hrs.

80 Marks

A) Unitwise Distribution of Marks:

Sr. No.	Unit	Marks	Marks with option
1	Concentrated milk products	05	12
2	Fermented and coagulated milk products	20	30
3	Fat rich milk products	25	30
4	Frozen milk products and dried milks	07	14
5	Cheese	15	20
6	Legal standards for milks and milk products	08	14
Total:		80	120

B) Objectivewise Distribution of Marks:

Sr. No.	Objective	Marks	Marks with option
1	Knowledge	16	16
2	Understanding	16	32
3	Application	32	48
4	Skill	16	24
Total:		80	120

C) Questionwise Distribution of Marks:

Sr. No.	Type of question	Percentage of Marks	Marks	Marks with option
1	Objective	20	16	16
2	Short answer	60	48	72
3	Long answer	20	16	32
Total:		100	80	120

Format of Question Paper

Name of Course: XII Animal Husbandry and Dairy Technology(HA, HB, HC)

Std. XI and XII

Time : 3 hours

Marks : 80

Note 1) All questions carry equal marks. 2) Figures to right indicate full marks.

Q. 1 A) Select the appropriate alternative and complete the following statements. (06)

1) a) b) c) d)

2) a) b) c) d)

3) a) b) c) d)

4) a) b) c) d)

5) a) b) c) d)

6) a) b) c) d)

B) Match the following pairs.

(05)

“A” group

“ B “ group

1)

a)

2)

b)

3)

c)

4)

d)

5)

e)

C) State True or False

(05)

1)

2)

3)

4)

5)

Q. 2) Answer in brief (Any eight)

(16)

1)

2)

3)

4)

5)

6)

7)

8)

9)

10)

11)

12)

Q. 3) Attempt the following questions. (Any four)

(16)

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)

Q. 4) Solve the following questions. (Any four)

(16)

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)

Q. 5) A) Long answer question

(8)

OR

Long answer question

B) Long answer question

(8)

OR

Long answer question
