

**THREE YEAR B.VOCATIONAL DEGREE IN DAIRYING AND ANIMAL
HUSBANDRY EXAMINATION, DECEMBER - 2021**

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - II : Skill Component

Core Paper - I : Bio-Chemistry and Physical Chemistry of Milk

(Under CBCS New Regulation v.e.f. the academic year 2020-2021)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer **ALL** of the questions.

(5×2=10)

1. Albumin.
2. Casein.
3. Peptide bond.
4. Condensed Milk.
5. Milk carbohydrate.

SECTION - B

Answer any **THREE** of the following.

(3×5=15)

6. Write Enzyme classification.
7. Basic structure of Amino acids.
8. What are milk lipids and their role in milk products.
9. Differentiate Electrolytes & non-electrolytes.
10. Explain redox properties of milk.

SECTION - C

Answer **ALL** of the following.

(5×10=50)

11. a) Explain classification of proteins.
(OR)
b) Mechanism of enzyme catalysed reactions.
12. a) Nomenclature & classification of milk proteins.
(OR)
b) Explain different procedures for the estimation of milk components.
13. a) What are enzymes present in milk explain their role.
(OR)
b) What are milk lipids and salts? Explain their biological role.
14. a) What are Newtonian and non Newtonian Liquids Explain with examples.
(OR)
b) Explain the effect of solutes concentration and temperature on viscosity of milk.
15. a) Explain Ostwald's law of dilution for electrolytes.
(OR)
b) Explain Osmosis relation to colligative properties of milk.
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**THREE YEAR B.VOCATIONAL DEGREE IN DAIRYING AND ANIMAL
HUSBANDRY EXAMINATION, DECEMBER - 2021**

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - II : General Education Component

Skill Development Course - I : Fundamentals of General Chemistry

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 1½ Hours

Max. Marks : 50

PART - A

Answer any **FOUR** of the following questions. Each question carries 5 marks. (4×5=20)

1. Hardy-Schulze law.
2. Gold Number.
3. Emulsions.
4. Optical and Specific rotation.
5. Enantiomers and Diastereomers.
6. Acid-Base titrations.
7. Indicators
8. Precipitation titrations.

PART - B

Answer any **THREE** of the following questions. Each question carries 10 marks.

(3×10=30)

9. Preparation methods of colloids.
10. Kinetic and electrical properties of Sols.
11. Preparation and Uses of Gels.
12. R,S configuration with examples.
13. Optical Isomerism with two examples.
14. Redox titrations.

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HUSBANDRY EXAMINATION, DECEMBER - 2021**

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - II : Skill Component

**Core Paper - III : Dairy Extension, Entrepreneurship Development and
Consultancy**

(Under CBCS New Regulation w.e.f the academic year 2020-21)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer **ALL** of the following.

(5×2=10)

1. What is Evaluation?
2. Write about RRA.
3. What is ATIC?
4. What is Contract Farming?
5. What is Food processing plant?

SECTION - B

Answer any **THREE** of the following.

(3×5=15)

6. Write the classification of Teaching Methods.
7. Explain the Evaluation of Extension Programmes.
8. What are managerial characteristics?
9. Write about Milk production potential.
10. Explain the composite milk plants.

SECTION - C

Answer ALL of the following.

(5×10=50)

11. a) What are the Objectives of Extension Education?
(OR)
b) Write the Extension Teaching Methods.
12. a) Explain the Development & Training to Rural Leaders.
(OR)
b) Enumerate the steps of programme planning.
13. a) What are the Government schemes & incentives for promotion of Entrepreneurship?
(OR)
b) Explain the public & private partnership.
14. a) Write the milk procurement from rural milk producer.
(OR)
b) Discuss the estimation of cost of product manufacture in Dairy.
15. a) Explain the preparation of feasibility reports for setting of Dairy Farms.
(OR)
b) What are the guidelines for obtaining ISO HACCP Certification for dairy plants?
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**THREE YEAR B. VOCATIONAL DEGREE IN DAIRYING AND ANIMAL
HUSBANDRY EXAMINATION, DECEMBER - 2021**

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - II : General Education Component

Skill Development Course - II : Poultry Farming

(Under CBCS New Regulation w.e.f the academic year 2020-21)

Time : 1½ Hours

Max. Marks : 50

SECTION - A

Answer any **FOUR** Questions. Each question carries **Equal** marks.

(4×5=20)

1. Brooder Shed.
2. De-beaking.
3. Layers.
4. Vent Sexing.
5. Natural Brooding.
6. Culling in Poultry Farm.
7. Mites and Ticks.
8. Candle Test.

SECTION - B

Answer any **3** Questions. Each question carries **Equal** marks.

(3×10=30)

9. Write about Poultry Farm Management.
10. Describe the different types of Equipment used in the Poultry.
11. Types of Nutrients Required for Poultry Birds.
12. Give an Account of the Viral diseases in Poultry.
13. Give an account of Selection and Care of Good Hatching Eggs.

THREE YEAR B.A./B.Com./B.Com. (Specialisations)/B.Sc./
B.Sc.(Home Science)/B.C.A./B.B.A./B.Music/B.Dance/B.A.(OL)/B.H.M/
FOOD PROCESSING TECHNOLOGY/DAIRYING AND ANIMAL
HUSBANDRY/HORTICULTURE/B.VOCATIONAL DEGREE IN
DAIRYING AND ANIMAL HUSBANDRY/B.VOCATIONAL DEGREE
IN DAIRYING AND ANIMAL HUSBANDRY/B.VOCATIONAL
DEGREE IN HORTICULTURE DEGREE EXAMINATION,

DECEMBER - 2021

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART-I(A)-General English

PAPER-I : ENGLISH PRAXIS COURSE-II

A COURSE IN READING & WRITING SKILLS

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 3 Hours

Max. Marks : 75

I. Answer any **THREE** of the following questions. (3×5=15)

a) What does Russell say in the essay "How to Avoid Foolish Opinions"?

b) Write Noun forms for the following words by adding a Suffix.

i) donate ii) manage iii) appear iv) true v) loyal

c) Write one word substitutes for the following.

i) One who walks in sleep

ii) One who hates the institution of marriage.

iii) One who knows everything.

iv) A lover of mankind

v) One who speaks many languages.

d) Match the following into appropriate collocations.

A		B
i) big	→	a) rain ²
ii) heavy	→	b) the law ^h
iii) strong	→	c) money
iv) break	→	d) desire ^s
v) make	→	e) failure ^a

1 - e
2 - a
3 - d
4 - b
5 - c

e) "Observation is better than assumption in some matters." Explain.

II. Answer any **THREE** of the following questions.

(3×5=15)

- What is the significance of the little lamp in "The Doll's House?"
- How does P.B. Shelley describe the power of the West Wind?
- Why is Florence Nightingale called "the Lady with the Lamp?"
- What are the techniques of Skimming?
- Discuss 'Scanning' as the reading skill.

III. Answer any **THREE** of the following questions.

(3×5=15)

- Discuss the theme of the story, "The Night Train at Deoli."
- What happened when the train stopped at Deoli Station?
- How did Upagupta treat the suffering dancing girl?
- Read the following passage and answer the questions that follow.

Conversation is an important part of our social life. It is indeed an activity that characterizes all mankind. Men and women everywhere spend a large part of their time in conversation. There are however, occasions when what you say is important. The conversation then rises above the meaningless chit-chat that people always indulge in, and ceases to be a mere social formula. It is on such occasions that people find an interesting person or a tedious bore.

- Mention the essential component of our social life
- What is the relationship between conversation and the mankind?
- When does a conversation cease to be a mere social formula?
- Who is considered a tedious bore?
- Give the meaning of 'cease.'

- c) Make notes on the following passage.

Progress is being made in industrialized countries, where studies now report that girls are catching up with, and even passing, boys in terms of performance in maths and sciences. Following the trend, law schools and medical schools in Canada report that about half of their entrants are now women. Culture is often used as an excuse for perpetuating both systematic inequality and blatant human rights abuse. Culture can be a strong force to create and sustain community. It can also be a strong force to socialize girls into passively accepting their lot in life being 'good wives' to men who are abusive, in the name of a belief system that demands female compliance.

- IV. Answer any **THREE** of the following questions. (3×5=15)

- a) Discuss the central idea of the poem "The Coromandel Fishers."
- b) What do you think is the wealth of the fishermen?
- c) A friend in need is a friend in deed. Expand the idea.
- d) You are the Secretary of the Sports Club of your college. The Olympics Gold Medalist Neeraj Chopra has accepted your invitation to visit your college.

Write a notice informing the students of other colleges of this event.

- e) Prepare 'Agenda' for the College Annual Day function.

- V. Answer any **THREE** of the following questions. (3×5=15)

- a) Attempt a character sketch of the astrologer.
- b) Prepare a CV for the post of Accountant in a reputed firm.
- c) Write a letter to your sister congratulating her on her success in NEET.
- d) What are the differences between a CV and a Resume.
- e) Write an email to the Principal of your college seeking permission to participate in an International Seminar in which your paper is selected for presentation.

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THREE YEAR B.A./B.Com./B.Com.(SPECIALISATION)/B.Sc./B.Sc.(HOME SCIENCE)/B.C.A./B.B.A./B.DANCE/B.MUSIC/B.A.(OL)/BHM/ FOOD PROCESSING TECHNOLOGY/ DAIRYING AND ANIMAL HUSBANDRY/HORTICULTURE DEGREE EXAMINATION, DECEMBER- 2021

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART-I(C): LIFE SKILL COURSE

PAPER - III : Information and Communication Technology

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 1½ Hours

Max. Marks : 50

PART - A

భాగము - ఎ

Answer any FOUR questions. Each question carries Equal marks.

ఈ క్రింది వానిలో ఏదైనా నాలుగు ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు సమానము.

(4×5=20)

1. Define internet and its applications.
ఇంటర్నెట్ మరియు దాని అప్లికేషన్లను నిర్వచించండి.
2. What are the different components of URL?
URL యొక్క విభిన్న భాగాలు ఏమిటి?
3. Differentiate between skype and yahoo. Explain.
స్కైప్ మరియు యాహూ మధ్య తేడా వివరించండి.
4. What are the rules for userid and password? Explain.
యూసేరిడ్ మరియు పాస్వర్డ్ కోసం నియమాలు ఏమిటి? వివరించండి.
5. Explain the different message components.
విభిన్న సందేశ భాగాలను వివరించండి.
6. What are the uses of google drive? Explain it.
గూగుల్ డ్రైవ్ వల్ల ఉపయోగాలు ఏమిటి? దీన్ని వివరించుము.

7. What is internet security? What are the different securities available?
ఇంటర్నెట్ సెక్యూరిటీ అంటే ఏమిటి? అందుబాటులో ఉన్న వివిధ సెక్యూరిటీలు ఏమిటి?
8. What is a virus? How to protect as system from it? Explain.
వైరస్ అంటే ఏమిటి? దాని నుండి వ్యవస్థగా ఎలా రక్షించాలి? వివరించండి.

PART - B

భాగము - బి

Answer any **THREE** questions. Each question carries **10** marks.

ఈ క్రింది ప్రశ్నలలో మూడు ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు 10 మార్కులు. (3×10=30)

9. What are different browsers available? Explain them.
వివిధ బ్రౌజర్లు ఏవి అందుబాటులో ఉన్నాయి? వాటిని వివరించండి.
10. Explain LinkedIn its advantages and disadvantages.
LinkedIn దాని ప్రయోజనాలు మరియు అప్రయోజనాలను వివరించండి.
11. Define email. Explain its advantages and disadvantages.
ఇమెయిల్ నిర్వచించండి. దాని ప్రయోజనాలు మరియు అప్రయోజనాలు వివరించండి.
12. What is google spread sheets. How is it useful.
గూగుల్ స్ప్రెడ్ షీట్లు అంటే ఏమిటి? ఇది ఎలా ఉపయోగపడుతుంది.
13. What is Cryptography? What are the modern cryptographies available?
క్రిప్టోగ్రఫీ అంటే ఏమిటి? ఆధునిక క్రిప్టోగ్రఫీలు ఏవి అందుబాటులో ఉన్నాయి?
14. What are the advantages and disadvantages of copyright issues?
కాపీరైట్ సమస్యల ప్రయోజనాలు మరియు అప్రయోజనాలు ఏమిటి?

**THREE YEAR B. VOCATIONAL DEGREE IN DAIRYING AND ANIMAL HUSBANDRY
EXAMINATION, DECEMBER - 2021
CHOICE BASED CREDIT SYSTEM
SECOND SEMESTER**

PART - II : Skill Component

**Core Paper - II : Milk Production Management, Dairy Plant Design and Dairy
Development**

(Under CBCS New Regulation w.e.f the academic year 2020-21)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer **ALL** of the following .

(5×2=10)

1. ✓ Floor Finishes.
2. ✓ Pesticides.
3. ✓ Milk secretion.
4. Calibration.
5. Quality assurance.

SECTION - B

Answer any **THREE** of the following .

(3×5=15)

6. Milking procedure. ✓
7. Price determination.
8. Fly control.
9. Analytical tests.
10. Floor finishes.

SECTION - C

Answer ALL of the following.

(5×10=50)

11. a) Write the milk production in National and International level.
(OR)
b) What are the practices for quality and safety of milk production?
12. a) Write the structure and functions of mammary glands.
(OR)
b) What are the feed resources for milk production?
13. a) Write the total quality management.
(OR)
b) Discuss about sampling procedures.
14. a) Write the chemical quality of water in dairy industry.
(OR)
b) What are the testing methods for detection of adulterants, preservatives in milk and milk products?
15. a) Write the classification of dairy plants.
(OR)
b) Discuss the significance of building planning for dairy.
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