

SRI VENKATESWARA UNIVRRSITY: TIRUPATI
B.VOC, in DAIRYING AND ANIMAL HUSBANDRY
Under CBCS W.E.F.2021-2022
COURSE STRUCTURE
SEMESTER-III

S.. NO	Skill / general education	Courses	Title of the paper/course and code	Credit s per course	Hours /week	Total hours/ course	Marks		
							Internal	Extern al	Total
1	General Education Component Gen.Edu	Language	General English	03	04	60	25	75	100
2		Life Skills	Health and Hygiene	02	02	30	---	50	50
3			Personality Enhancement and Leadership	02	02	30	---	50	50
4		Skill Developm ent Course	Environmental Audit	02	02	30	----	50	50
5	Domain Skill Component	CORE-I	Milk and milk products technology	04	04	60	25	75	100
6		PRACTI CAL-1	Milk and milk products technology	02	02	30	---	50	50
7		CORE-II	Basics of animal nutrition	04	04	60	25	75	100
8		PRACTI CAL-II	Basics of animal nutrition	02	02	30	--	50	50
9		CORE- III	Fodder production and conservation	04	04	60	25	75	100
10		PRACTI CAL-III	Fodder production and conservation	02	02	30	---	50	50
11		Industrial Training For 30 Days			03	36	144	---	50
				30	TOTAL MARKS				750

SRI VENKATESWARA UNIVERSITY
B.A. / B.Com. / B.Sc. / B.Voc. DEGREE COURSE IN ENGLISH
SEMESTER-III
(Revised Syllabus Under CBCS W.E.F. 2021-22)
ENGLISH PRAXIS COURSE - III
A COURSE IN CONVERSATIONAL SKILLS

I. UNIT		
Speech	: 1. Tryst with Destiny	Jawaharlal Nehru
Skills	: 2. Greetings	
	: 3. Introductions	
II. UNIT		
Speech	: 1. Yes, We Can	Barack Obama
Interview	: 2. A Leader Should Know How to Manage Failure	Dr.A.P.J.Abdul Kalam/ India Knowledge at Wharton
Skills	: 3. Requests	
III. UNIT		
Interview	: 1. Nelson Mandela's Interview	With Larry King
Skills	: 2. Asking and Giving Information	
	: 3. Agreeing and Disagreeing	
IV. UNIT		
Interview	: 1. JRD Tata's Interview	With T.N.Ninan
Skills	: 2. Dialogue Building	
	: 3. Giving Instructions/Directions	
V. UNIT		
1. Speech	: 1. You've Got to Find What You Love	Steve Jobs
Skills	: 2. Debates	
	: 3. Descriptions	
	: 4. Role Play	

Approved by BOS (PASS)

w.e.f. 2020-2021

M. S. S. S. S.
3/19/2020
Chairperson
BOS in English
(PASS)

SRI VENKATESWARA UNIVERSITY
B.A./B.Com./B.Sc. B.Voc./DEGREE EXAMINATION
III SEMESTER
(Revised Syllabus under CBCS w.e.f. 2021-22)
ENGLISH PRAXIS COURSE - III
A COURSE IN CONVERSATIONAL SKILLS
MODEL QUESTION PAPER

Time: 3 Hours

Max. Marks: 75

- I Answer any THREE of the following questions. (3x5=15)
- a. What according to Pandit Nehru, the tryst with destiny that Indian made?
 - b. How do you greet people in formal, informal and semi-formal ways?
 - c. Who according to the author is "The greatest man of our generation". What is his ambition?
 - d. Imagine that you are working at S.V. Degree College as a Lecturer. How do you introduce your friend to the Principal ?
 - e. How do you introduce yourself to your Lecturer on the first day of your college?
- II Answer any THREE of the following questions. (3x5=15)
- a. Summarize Obama's speech "Yes, We can".
 - b. What did A.P.J. Abdul Kalam say about success?
 - c. Write a critical analysis of Obama's Victory Speech.
 - d. How did A.P.J. Abdul Kalam handle failure?
 - e. Imagine that you have to pay the college tuition fee. How do you make a request with your parents to pay your tuition fee?

III Answer any THREE of the following questions. (3x5=15)

- a. Summarize Nelson Mandela's Interview with Larry King.
- b. Imagine that you are leaving for Mumbai. You seek information on the arrival of the train.
- c. Write a note on Nelson Mandela.
- d. How do you give information when a stranger approaches you to help him for the admission in your college?
- e. Give two phrases for agreeing and two phrases for disagreeing.

IV Answer any THREE of the following questions. (3x5=15)

- a. Is Mr. Ratan Tata an angry person? What has been the greatest frustration of him?
- b. Construct a dialogue between two friends about their career.
- c. What is the opinion of Mr. Ratan Tata on Reliance Industries?
- d. Write instructions to prepare coffee.
- e. How do you direct when your junior requests you to show the way to Tirumala bus stand?

V Answer any THREE of the following questions. (3x5=15)

- a. What was the message of you've got to find what you love?
- b. What is a debate? How does it help students?
- c. What did Steve Jobs love to do?
- d. Describe your native place.
- e. What are the benefits of Role plays?



(Dr M. Sreelatha),
Chairperson,
BOS in English (PASS).

**B.VOC. DEGREE COURSE IN DAIRYING AND
ANIMAL HUSBANDRY
Life Skill Course
HEALTH & HYGIENE
III-SEMESTER-W.E.F.2021-22**

(Total teaching hours – 30 Hrs. @ 02 Hrs. per Week)

The course is designed to provide a complete guidance on health and hygiene systems, guidelines for implementing and role of government and public in maintaining a healthy life. At the end of the course the student shall be able to understand –

- the importance of health and hygiene in life
- the importance of nutrition for a healthy life
- different health care programmes of India
- basic concept of health impact assessment as a means of assessing the policies, plans and projects using quantitative and qualitative techniques
- importance of community and personal health & hygiene measures
- Importance of food, social tenets, mental condition, physical activity on health

Learning Objectives:

- To provide knowledge on different health indicators and types of hygiene methods
- To impart knowledge on different health care programmes taken up by India
- To make student understand the latest concepts of health such as HIA, EIA, SIA and SEA
- To enable student with disaster mitigation strategies
- To create awareness on community health and hygiene
- To enrich knowledge on communicable and non-communicable diseases and their control
- To aware the student on the importance of food, social strategies, mental status and physical activities on health
- To introduce different community-based mobile apps on health to student and thereby to the community

Learning / Course Outcomes: On completion of this course, the students will be able to understand -

- What is a healthy diet
- How can we use available information to optimize our diet?
- Can nutrition be used for a healthy life?
- Is there a one-size-fits-all “good” diet or should we individualize our dietary goals?
- Disaster management and responsiveness of public in pandemic and epidemic diseases
- Assess the impact of policies on health and hygiene Health measures to consider while travelling
- Awareness in public through digital media viz., mobile apps

Unit I: Basics of Nutrition**10 Hrs.**

1. Nutrition – definition, importance, Good nutrition and mal nutrition; Balanced Diet: Basics of Meal Planning
2. Carbohydrates –functions, dietary sources, effects of deficiency.
3. Lipids –functions, dietary sources, effects of deficiency.
4. Proteins –functions, dietary sources, effects of deficiency.
5. Brief account of Vitamins- functions, food sources, effects of deficiency,
6. Macro and micro minerals –functions, effects of deficiency; food sources of Calcium, Potassium and Sodium; food sources of Iron, Iodine and Zinc
7. Importance of water– functions, sources, requirement and effects of deficiency.

Unit II: Health**10 Hrs.**

8. Health - Determinants of health, Key Health Indicators, Environment health & Public health; Health-Education: Principles and Strategies
9. Health Policy & Health Organizations: Health Indicators and National Health Policy of Govt. of India-2017; Functioning of various nutrition and health organizations in India viz., NIN (National Institution of Nutrition), FNB (Food and Nutrition Board), ICMR (Indian Council of Medical Research), IDA (Indian Dietetics Association), WHO-India, UNICEF-India
10. National Health Mission: National Rural Health Mission (NRHM) Framework, National Urban Health Mission (NUHM) Framework
11. Women & Child Health Care Schemes: Reproductive, Maternal, Newborn, Child and Adolescent Health (RMNCH+); Janani Shishu Suraksha Karyakaram (JSSK); Rashtriya Bal Swasthya Karyakram(RBSK); India Newborn Action Plan (INAP); Adolescent Health- Rashtriya Kishor Swasthya Karyakram (RKSK)
12. Disaster Management – Containment, Control and Prevention of Epidemics and Pandemics – Acts, Guidelines and Role of Government and Public

Unit III: Hygiene

10 Hrs.

13. Hygiene – Definition; Personal, Community, Medical and Culinary hygiene; WASH (WAter, Sanitation and Hygiene) programme
14. Rural Community Health: Village health sanitation & Nutritional committee (Roles & Responsibilities); About Accredited Social Health Activist (ASHA); Village Health Nutrition Day, Rogi Kalyan Samitis
15. Community & Personal Hygiene: Environmental Sanitation and Sanitation in Public places
16. Public Awareness through Digital Media - An Introduction to Mobile Apps of Government of India: NHP, Swasth Bharat, No More Tension, Pradhan Mantri Surakshit Mantritva Abhiyan (PM Suman Yojana), My Hospital (Mera aspataal), India fights Dengue, JSK Helpline, Ayushman Bhava, Arogya Setu, Covid 19AP

REFERENCES

- **Bamji, M.S., K. Krishnaswamy & G.N.V. Brahmam (2009)** *Textbook of Human Nutrition(3rd edition)* Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi
- **Swaminathan (1995)***Food & Nutrition*(Vol I, Second Edition) The Bangalore Printing &Publishing Co Ltd., , Bangalore
- **Vijaya Khader (2000)**Food, nutrition & health, Kalyan Publishers, New Delhi
- **Srilakshmi, B., (2010)***Food Science, (5th Edition)* New Age International Ltd., New Delhi
- Weblinks: <https://nhm.gov.in/>
 - National Rural Health Scheme:
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=969&lid=49>
 - National Urban Health Scheme:
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=970&lid=137>
 - Village health sanitation & Nutritional committee
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=149&lid=225>
 - About Accredited Social Health Activist (ASHA)
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=150&lid=226>
 - Village Health Nutrition Day
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=152&lid=228>

- Rogi Kalyan Samitis
<https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=153&lid=229>
- Health Impact Assessment - <https://www.who.int/hia/about/faq/en/>
(suggested information only)
http://www.euro.who.int/_data/assets/pdf_file/0011/261929/Health-in-Impact-Assessments-final-version.pdf?ua=1
- WASH <https://www.unicef.org/wash/> and
https://www.unicef.org/wash/files/UNICEF_Strategy_for_WASH_2016_2030.PDF
- Healthy Living <https://www.nhp.gov.in/healthylivingViewall>

Note: The above web links are from MoHFW, GoI. Teachers can prepare their notes from other resources also.

SRI VENKATESWARA UNIVERSITY
B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY
Model question paper for theory examination at the end of IV

Semester Health and Hygiene

Max. Time : 2 Hrs.

Max. Marks: 50

Max. Marks: 50 Time: 1 1/2 hrs (90 Minutes)

Section -A

(Total: 4x5=20 Marks)

(Answer any four questions. Each answer carries 5 marks)

(Total 8 questions. At least 1 question should be given from each Unit)

I. Answer any five questions

1. Balance Diet.
2. Minerals.
3. Carbohydrates.
4. Health education.
5. Health indicators.
6. I C M R.
7. Wash programme.
8. Arogyasetu.

Section- B

(Total: 3x10 = 30 Marks)

(Answer any three questions. Each answer carries 10 marks)

(Total five questions. At least 1 question should be given from each Unit)

9. Write in detail about the functions sources, effects of deficiency of proteins.
10. Give a brief account on vitamins.
11. Describe the women and child health care schemes.
12. What is hygiene. Explain various methods of hygiene.
13. Give on account an public awareness of hygiene through digital media..

Note: Questions may be set in such a way to test the outcomes instead of recalling of information.

Verified
Chandru
(M-V-11)
BOS Chairperson Zoology

HEAD
DEPARTMENT OF ZOOLOGY
S. V. S. S. S. S. S.

SRI VENKATESWARA UNIVERSITY

B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY

Revised CBCS w.e.f 2021 -22

LIFE SKILL COURSE

III-SEMESTER

Personality Enhancement & Leadership

Total 30 hrs (02 h/wk, 02 Cr & Max 50 Marks)

Syllabus:

Unit- I:(7 hrs)

Meaning of Personality - Explanations of Human Personality - Psychodynamic Explanations - Social Cognitive Explanation - Big Five traits of Personality

Unit- II (8 hrs)

Assessment of Personality - Projective & Self Report Techniques - Building Self-Confidence - Enhancing Personality Skills

Unit - III:(10 hrs)

Leadership Characteristics - Types of Leaders - Importance of Leadership - Leadership Skills - Building and Leading Efficient Teams - Leadership Qualities of Abraham Lincoln, Mahatma Gandhi, Prakasam Pantulu, Dr. B. R. Ambedkar & J.R.D. Tata

Co-curricular Activities Suggested: (05 hrs)

1. Assignments, Group discussions, Quiz etc
2. Invited Lecture by a local expert
3. Case Studies (ex., on students behavior, local leaders etc.)

Reference Books:

- ~ Girish Batra, Experiments in Leadership, Chennai: Notion Press, 2018
- ~ Mitesh Khatri, Awaken the Leader in You, Mumbai: Jaico Publishing House, 2013
- ~ Carnegie Dale, Become an Effective Leader, New Delhi: Amaryllis, 2012
- ~ Hall, C.S., Lindzey. G. & Campbell, J.B Theories of Personality. John Wiley & Sons, 1998

M. S. Srinivas

Chairperson
BOS in English
(PASS)

III SEMESTER
Life Skill Course

Personality Enhancement & Leadership
Model Question Paper

Time: **1 ½ hours (90 Min.)**

Max. Marks: 50

Section A

I. Answer any Four Questions. Each Question carries 5 marks

4 X5=20

1. What are the characteristics of Personality?
2. What is Personality? Discuss its Nature.
3. What are the strengths and weaknesses of Projective Techniques?
4. Discuss the importance of Team.
5. What techniques can be used for effective Team Building?
6. Explain the differences between Work Groups and Work Teams.
7. What do you understand by the term "Leadership"?
8. What are the Determinants of Personality?

Section B

II. Answer any Three Questions. Each Question carries 10 marks

3 X10=30

1. Describe the assumptions of the psychodynamic perspective on personality development, including the id, ego, and superego.
2. Discuss the "Big Five Personality Traits".
3. How do culture and family determine the development of the Personality?
4. How does an individual build self-confidence?
5. What do you understand by the term Leadership? Enumerate its important characteristics.
6. Explain the different types of Leadership.

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SRI VENKATESWARA UNIVERSITY
B A, B Com & B Sc Programmes

Revised CBCS w.e.f. 2020-21
SKILL DEVELOPMENT COURSES
III-SEMESTER
SCIENCE STREAM

Syllabus of
ENVIRONMENTAL AUDIT
Total 30 hrs (02h/wk), 02 Credits & Max 50 Marks

Learning Outcomes:

By successful completion of the course, students will be able to;

1. *Understand the basic concepts Environmental health*
2. *Learn and identify the industrial pollution*
3. *Explain the highlights in the regulatory aspects of Environmental law and policy*
4. *Understand the various phases of Environmental Audit*

UNIT – I

Industrial Pollution and its effects 06h

Climate – Weather and Air Pollution – Classification of water and water bodies – Water Quality Parameters – Water Pollution – Sources – Classification, nature and Toxicology of water pollutants. - Soil parameters –Soil pollution and impacts – Soil conservation

UNIT - II

Environmental Law & Policy: 09h

Highlights of the Acts, Institutional arrangements for: (1) The Water (Prevention & Control of Pollution) Act, 1974 amended in 1988; (2) The Air (Prevention and Control of Pollution) Act, 1981 amended in 1987; (3) The Water (Prevention and Control of Pollution) Cess Act, 1977 amended in 1991; (4) The Environment (Protection) Act, 1986; (5) The Public Liability Insurance Act, 1991; – Indian Policy Statement for abatement of Pollution, 1992.

UNIT - III

Environmental Audit - Scope & Requisites: 10h

Environmental Audit: Definition; Objectives; Scope, Coverage - GOI Notification on Environmental Audit - Benefits to Industry. Reporting Environmental Audit Findings - Importance of Environmental Audit Report to industry, public and the governments.

Co-curricular Activities Suggested:

05h

1. Visit to understand Institutional arrangements and functioning of Pollution Control Boards.
2. Visiting different Ecosystems
3. **Soil analysis:** Determination of soil type and texture, pH, Soil Moisture, Nitrogen, Potassium and Phosphorous.
4. **Water analysis:** Determination of pH, Dissolved solids and suspended solids, Dissolved Oxygen, COD, BOD.
5. Assignments, Group discussion, Quiz etc.

Reference books and websites:

1. Environmental Education in India by K.R. Gupta
2. Environmental Legislation in India by K.R. Gupta
3. <https://parivesh.nic.in/>
4. <https://www.cpcb.nic.in/>
5. <https://www.free-ebooks.net/environmental-studies-academic>

SRI VENKATESWARA UNIVERSITY
SKILL DEVELOPMENT COURSE
SCIENCE STREAM
III-SEMESTER
MODEL QUESTION PAPER

Max. Marks: 50

ENVIRONMENTAL AUDIT *Time: 1½ hrs (90 Minutes)*

SECTION- A

(4x5M=20 Marks)

*Answer any four questions. Each answer carries 5 marks
(At least 1 question should be given from each Unit)*

1. Write any three global environmental problems?
2. Write a short note on soil pollution and its impact?
3. What is BOD and explain its significance in determining the quality of water?
4. What are the objectives of the environmental Acts and the Institutional arrangements
5. Write a brief note on the environmental laws that governs the water pollution
6. Write a brief note on the functioning of central and state pollution control boards?
7. What are the objectives of environmental audit
8. What is GoI notification on environmental audit?

SECTION B

(3x10M = 30 Marks)

*Answer any three questions. Each answer carries 10 marks
(At least 1 question should be given from each Unit)*

1. What is water pollution and explain in detail about the water pollutants?
2. What is air pollution and explain in detail about the air pollutants?
3. Write an essay on the Water (Prevention & Control of Pollution) Act, 1974 amended in 1988
4. Write an essay on the Air (Prevention and Control of Pollution) Act, 1981 amended in 1987
5. What is environmental audit and explain the various stages involved in it and the benefits of environmental audit to the industry?

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B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY
III – SEMESTER
Under CBCS W.E.F. 2021-22
SKILL COMPONENT

Core Paper-I: MILK AND MILK PRODUCTS TECHNOLOGY

(Credits:4+2=6)

UNIT – 1

Milk industry in India, milk processing unit and its management
Composition & Nutritive value of milk
Factors effecting composition of milk
Physic-chemical properties of milk

UNIT – 2

Collection, chilling of milk
Standardization of milk- pasteurization, homogenization, bacon fixation,
dehydration of milk

UNIT – 3

Introduction to functional milk products. Preparation of cream, butter, paneer or chana, ghee, whoa, lassie, dacha, ice-cream, mozzarella cheese and dairy byproducts.
Common defects of milk products and their remedial measures.

UNIT - 4

Packaging, transportation, storage and distribution of milk and milk products.
Good manufacturing practices and implementation of HACCP in milk plant.
Organic milk products.

UNIT - 5

Food safety standards for milk and milk products.

PRACTICALS

Visit to modern milk processing and milk products manufacturing plants.

Sampling of milk. estimation of fat, solid not fat (SNF) and total solids.
Platform tests.

Cream separation.

Detection of adulteration of milk.

Determination of efficiency of pasteurization.

Preparation of milk products like ghee, pander or china, whoa, ice-cream or sulfa, milk beverages.

Reference books:

1. Text Book on Milk & Milk Products Ran veer R C, Kamble, D K, Pa'anga
2. MILK AND MILK PROCESSING Herrington B.L.
3. Milk and Milk Products H. Varna Alan
4. Principle of Dairy Processing. Warner James N

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B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY
III - SEMESTER

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SKILL COMPONENT

Core Paper-I: MILK AND MILK PRODUCTS TECHNOLOGY
MODEL QUESTION PAPER

Time:3 hours

Max.Marks:75

SECTION-A

Answer ALL of the following

5×2=10Marks

- 1.
- 2.
- 3.
- 4.
- 5.

SECTION-B

Answer any Three of the following

3×5=15Marks

- 6.
- 7.
- 8.
- 9.
- 10.

SECTION-C

Answer ALL of the following

5×10=50Mark

11.A

(Or)

B

P.T.O

12. A

(Or)

B

13. A

(Or)

B

14. A

(Or)

B

15. A

(Or)

B

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B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY
III - SEMESTER

Under CBCS W.E.F. 2021-22
SKILL COMPONENT

Core Paper-II: BASICS OF ANIMAL NUTRITION

(Credits:4+2=6)

UNIT – 1

Importance of Nutrition – Common Definitions in Animal Nutrition – Classification of Nutrients

Role of Different Nutrients in the body systems – Water – Carbohydrates – Proteins – Fats – Minerals – Vitamins.

UNIT – 2

Special consideration in the Nutrition of different livestock species – Ruminants – Non-ruminants – Poultry.

Carbohydrates – sugars – soluble carbohydrates – crude fiber – Non-starch polysaccharide.

Energy – Gross energy – Digestible energy – Meta boilable energy – Net energy – Starch equivalent.

UNIT – 3

Proteins in Animal Nutrition – True protein and crude protein – Amino acids – Essential and Non-Essential Amino Acids – Biological values

Lipid nutrition – essential fatty acids – omega fatty acids.

UNIT – 4

Minerals in Animal Nutrition – Major minerals – Minor minerals

Vitamins – Fat Soluble vitamins – Water soluble vitamins – Roles, deficiency symptoms and sources of vitamins.

UNIT – 5

Compound feeds – Feed supplements – Feed Additives.

General considerations while Feeding of various species for livestock products – Dairy cattle and buffaloes – Sheep and Goat – pigs – Poultry.

PRACTICALS

General acquaintance of various equipment in Nutrition laboratory – Hot air oven – Kelda Digestion and Distillation Unit – Sox let Apparatus – Muffle furnace.

Estimation of various proximate principles in feed – Moisture – Crude protein – Ether extract – Crude fiber – Total Ash.

Estimation of Acid Insoluble Ash – Calcium – Phosphorus – Detection of common adulterants in feeds.

Feed formulation – Ration formulation – practical exercises

Visit to Cattle feed plant and Poultry feed plant.

Reference books:

1. Principles of animal nutrition and feed technology D.V.Reddy
2. Principles and practices of animal nutrition Jag dish Prasad
3. A textbook of animal nutrition D.N. verma,,kalyani
4. Basic animal nutrition and feeding, Pond, Wiley
5. Animal nutrition Maynard
6. Principles of animal nutrition and feeds BANERJEE

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B.VOC. DEGREE COURSE IN DAIRYING AND ANIMAL HUSBANDRY
III - SEMESTER
Under CBCS W.E.F. 2021-22
SKILL COMPONENT
Core Paper-II: BASICS OF ANIMAL NUTRITION
MODEL QUESTION PAPER

Time:3 hours

Max.Marks:75

SECTION-A

Answer ALL of the following

5×2=10Marks

- 1.
- 2.
- 3.
- 4.
- 5.

SECTION-B

Answer any Three of the following

3×5=15Marks

- 6.
- 7.
- 8.
- 9.
- 10.

SECTION-C

Answer ALL of the following

5×10=50Marks

11.A

(Or)

B

P.T.O

12. A

(Or)

B

13. A

(Or)

B

14. A

(Or)

B

15. A

(Or)

B

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III - SEMESTER
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SKILL COMPONENT

Core Paper-III: FODDER PRODUCTION AND CONSERVATION

(Credits:4+2=6)

UNIT - 1

Importance of grasslands and fodder in livestock production.
Agronomical Practices for fodder production.

UNIT - 2

Important leguminous and non-leguminous fodders in different seasons.

UNIT - 3

Soil and Water conservation and drainage of water for fodder production.
Fodder production for small livestock units.

UNIT - 4

Structures for storage of feeds and fodders.
Scarcity fodders and preservation of green fodder.

UNIT - 5

Recycling of animal washings and wastes in fodders production and use of recycle waste.
crop residues and their optimum utilization

PRACTICALS

Visit to the fodder farm.

Familiarization with the various types of fodders in Andhra Pradesh

Familiarization with various fertilizers and manures.

Collection, preservation and storage of feed and fodder; Damages or loss during transfer and storage; methods to prevent them.

Cost of calculations of fodder production.

Livestock waste utilization and recycling.

Reference books:

1. Production Utilization and Conservation of Forage Crops A S Bilbray
2. Fodder production and Conservation Seem Mira,
Perm Pataki
3. Production Technology Of Forage And Fodder Crops Prof. Raja R A
4. A handbook for feed and fodder development Jam bay
Gyeltshen,
PemaWangda

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III - SEMESTER
Under CBCS W.E.F. 2021-22
SKILL COMPONENT
Core Paper-III: FODDER PRODUCTION AND CONSERVATION
MODEL QUESTION PAPER

Time:3 hours

Max.Marks:75

SECTION-A

Answer ALL of the following

5×2=10Marks

- 1.
- 2.
- 3.
- 4.
- 5.

SECTION-B

Answer any Three of the following

3×5=15Marks

- 6.
- 7.
- 8.
- 9.
- 10.

SECTION-C

Answer ALL of the following

5×10=50Marks

11.A

(Or)

B

P.T.O

12. A

(Or)

B

13. A

(Or)

B

14. A

(Or)

B

15. A

(Or)

B