



Veeranari Chakali Mamma Women's University
Erstwhile University College for Women (A Constituent of Osmania University)

Koti, Hyderabad - 500 095

Ph No. : 040-24657813 | E-mail : ucwkoti@gmail.com

Department of Food and Nutrition

B.Sc

Applied Nutrition and

Public Health

(Effective from 2025-26 admitted batch)

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18/11/2025

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18/11/25

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HEAD
Department of Food and Nutrition
Veeranari Chakali Mamma Women's University
Koti, Hyderabad-500 001, T.G.

[Signature]
18/11/25
Chairman - Board of Studies
Department of Food & Nutrition
Veeranari Chakali Mamma Women's University
Koti, Hyderabad-500 001, T.G.





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Minutes of the meeting of the **BOARD OF STUDIES IN NUTRITION (UG & PG)** conducted on Tuesday 18th November, 2025.

Chairman BoS opened the meeting and welcomed all the BoS members and introduced them. This meeting was started with the proposed agenda which was shared with the members. The following things were discussed and accepted in the meeting.

AGENDA:

To Review the syllabus of

1. PG (M Sc Nutrition & Dietetics) 4 semesters, 80 credit syllabus.
2. UG Semester I and II of B.Sc (Nutrition and Dietetics) and B.Sc (Applied Nutrition and Public Health) as directed by TGCHE from the academic year 2025-2026.
3. To approve the panel of examiners for both theory and practicals.
4. Any other matter with the permission of the Chair.

MINUTES OF THE MEET

~~All the~~ ^{Seven} members of the BoS attended the meeting. After a thorough discussion on the agenda mentioned above, the Board resolved the following:

M.Sc NUTRITION AND DIETETICS

1. Resolved to continue 80 credit syllabus system for the present academic year 2025 to 2026.
2. Proposed to have 96 credit M.Sc Nutrition & Dietetics course from academic year 2026 to 2027.
3. Proposed to have 50 Marks internship and 100 Marks project work in the 96 credit system to be adopted from 2026 to 2027.
4. Proposed to allot more hours per week for project work.

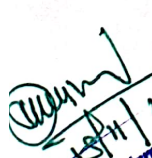
B.Sc NUTRITION AND DIETETICS

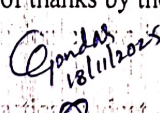
1. Proposed to continue the syllabus as directed by TGCHE from the academic year 2025-2026.
2. Proposed a specialized nutrition course in place of project in the final year of B.Sc Nutrition & Dietetics.
3. Proposed to increase the practical budget.
4. Proposed to give exposure on National Nutrition Programmes and Policies.

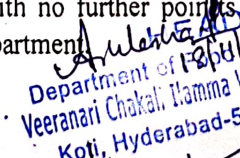
B.Sc APPLIED NUTRITION AND PUBLIC HEALTH

1. Proposed to change the semester-1 paper title to Basics of Human Nutrition and Biochemistry instead of Basics of Human Nutrition and Nutritional Biochemistry.
2. Proposed to change the title of the theory paper of semester 2 from Nutrient Metabolism to Metabolism of Biomolecules.
3. Resolved to have the same title for both theory and practical papers.

The chairperson thanked all the members for their active participation and valuable time which helped strengthen the academic standards and curriculum. With no further points to discuss, the meeting concluded with a vote of thanks by the Head of the Department.

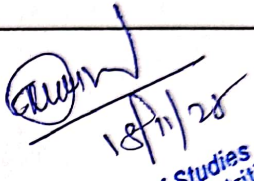
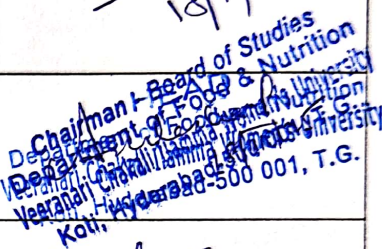
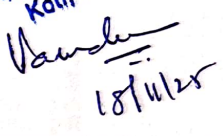
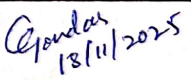
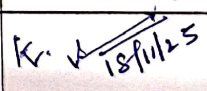
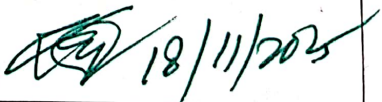
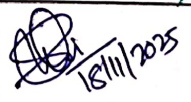

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Veeranari Chakali Ilamma Women's University
Koti, Hyderabad-500 001
18/11/25


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Koti, Hyderabad-500 001, T.G.
K.V.



**Attendance of the Members attended Board of Studies in Nutrition (PG &UG)
convened on Tuesday, 18th Nov 2025, at 11:00 AM.Venue: Department of Food and
Nutrition, VCIWU, Koti, Hyderabad**

	MEMBERS OF BoS		ADDRESS	SIGNATURES
1	Dr J Sreenivasa Rao	Chairperson	Scientist F- Sr Deputy Director, Head, Food Chemistry Division, National Institute of Nutrition, ICMR, Tarnaka, Jamai-Osmania PO, Hyderabad	 18/11/25
2	Dr. P. Ashlesha	Head (I/c)	Assistant Professor (c), Dept. of Food and Nutrition, Veeranari Chakali Ilamma Women's University, Koti, Hyderabad	 Chairman - Board of Studies Department of Food & Nutrition Veeranari Chakali Ilamma Women's University Koti, Hyderabad-500 001, T.G.
3	Dr Vasundhara Ayyagari	Subject Expert	Head, PG Department of Nutrition & Dietetics, Sarojini Naidu Vanita Maha Vidyalaya, Nampally, Hyderabad	 18/11/25
4	Dr G Ramesh	Subject Expert	Scientist C, Food Chemistry Division, National Institute of Nutrition, ICMR, Tarnaka, Jamai- Osmania PO, Hyderabad	
5	Dr Giridhar Goudar	Subject Expert	Managing Director, Biochem- Research and Testing Laboratory, Dharwad - Karnataka	 18/11/2025
6	Dr K Sunitha Premalatha	Industry Expert	Chief Dietician, AGM, Yashoda Hospitals, Somajiguda, Hyderabad	 18/11/25
7	Dr Lakshmi Kuchibhotla	Subject Expert	Assistant Professor, Department of Food and Nutrition, College of Community Science, Acharya N G Ranga, Agricultural University, Guntur	
8	Dr Raju Padiya	Member	Associate Professor, Department of Biochemistry, Osmania University, Hyderabad.	 18/11/2025
9	Dr Shashi Bhushan Kumar	Member	Technical Officer - B, Drug Safety Division, ICMR-National Institute of Nutrition, Tarnaka, Hyderabad	 18/11/2025



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Proposed CBCS structure from 2025-26 for UG courses as per TGCHE guidelines

B.Sc Applied Nutrition and Public Health – Template

Courses		Papers	Total credits	Credits for each paper/ semester					
				I	II	III	IV	V	VI
Core Courses DSC	Major -1	6	30	5	5	5	5	5	5
	Major -2	6	30	5	5	5	5	5	5
	Major -3	4	20	5	5	5	5	*	*
MIL/AEC (First Language)	English	5	20	5	5	5	5	-	-
Second Language (Telugu, Hindi, Urdu etc)		5	20	5	5	5	5	-	-
Multi-Disciplinary course	MDC 1			-	-	-	-	4	-
SEC 1, 2		2	4	-	-	-	-	2	2
SEC 3, 4		2	4	-	-	-	-	2	2
Value Added Course (VAC)	VAC 1, 2	2	6	-	-	-	-	3	3
Internships	Internships/ Project	1	4	-	-	-	-	-	4
Total Credits in each semester			142	25	25	25	25	21	21
Total Credits in UG				142					
Credits under Non-CGPA (Community Engagement and service)		NSS/ NCC/ Sports/ Extra Curricular		Up to 6 (2 in each year)					
		IKS	4	Up to 4 (2 in each , after I and II year)					

* In Semester V and VI, 3 optional papers will be proposed. Students can choose any two.

** Among optional-I, II, and III any two will be Major and one will be Minor on choice of the students.

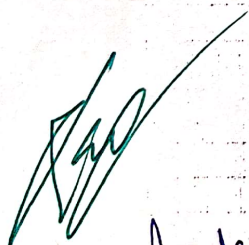
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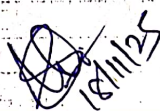
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B.Sc Applied Nutrition and Public Health**I year; Semester I and II**

SEMESTER - I		
Course Type	Course Title	Credits
Core Courses DSC	Basics of Human Nutrition and Nutritional Biochemistry (Optional I)	4 +1 = 5
	Optional II	4 +1 = 5
	Optional III	4 +1 = 5
MIL/AEC(First Language)	English	5
Second Language (Telugu, Hindi, Urdu etc)	Second Language	5
	TOTAL	25
SEMESTER - II		
Core Courses DSC	Nutrient metabolism (Optional I)	4 +1 = 5
	Optional II	4 +1 = 5
	Optional III	4 +1 = 5
MIL/AEC(First Language)	English	5
Second Language (Telugu, Hindi, Urdu etc)	Second Language	5
	TOTAL	25

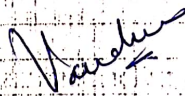
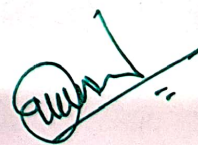


G. S. Srinivas
18/11/2025



Anurag P
18/11/2025

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CBCS

2025-2026

**B.Sc. APPLIED NUTRITION & PUBLIC HEALTH
VEERANARI CHAKALI ILAMMA WOMEN'S UNIVERSITY**

REVISED SYLLABUS (CBCS) WITH EFFECT FROM 2020-21

B. Sc. I YEAR SEMESTER I PAPER I DSC - 1A

**Code BS 104 BASICS OF HUMAN NUTRITION AND NUTRITIONAL
BIOCHEMISTRY (Theory)**

CREDITS -4;

60 HOURS

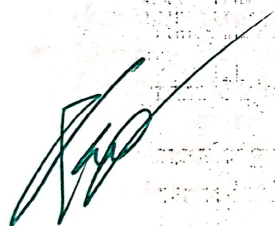
Course/Program Objectives:

PO1: Equip knowledge on nutrients, foods, food groups and proximate principles of nutrients and its significance in the body.

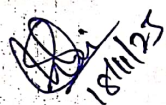
PO2: Enable to understand measurements, components of energy expenditure and sources, functions, deficiency and nutritional significance of carbohydrates.

PO3: Familiarize the composition, classification, properties and biological functions of proteins, nucleic acids and lipids.

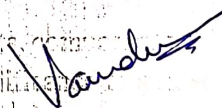
PO4: Acquaint the importance, sources, functions and deficiency of vitamins, minerals, water and electrolytes and their regulation.



Gandhi
18/11/2025



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Course Outcomes:

CO1: Understand the fundamental principles of nutrition, food groups, and nutritional needs, energy metabolism process, classification, sources and functions of carbohydrates.

CO2: Understand the classification, functions, sources, and deficiency effects of vitamins (fat-soluble and water-soluble) and minerals

CO3: Describe the the importance of water balance in the body, functions, compartments, water intoxication and the role of Zinc and Selenium as antioxidants and their significance in maintaining overall health.

CO4: Understand the regulation of electrolyte balance and the Renin-Angiotensin-Aldosterone System (RAAS).

Head of Department
18/11/2025

B.Sc. APPLIED NUTRITION & PUBLIC HEALTH
VEERANARI CHAKALI ILAMMA WOMEN'S UNIVERSITY
 REVISED SYLLABUS (CBCS) WITH EFFECT FROM 2020-21

B. Sc. 1 YEAR SEMESTER I PAPER I DSC - 1A

Code BS 104 BASICS OF HUMAN NUTRITION AND NUTRITIONAL
BIOCHEMISTRY (Theory)
CREDITS -4 **60 HOURS**

UNIT I - BASICS OF HUMAN NUTRITION, ENERGY METABOLISM & CARBOHYDRATES **15 HOURS**

- **Human Nutrition:** Definition of Nutrition and Nutrients, Proximate principles, Classification of nutrients, Classification of foods and Food groups. Nutritional needs of the body, Specific role of nutrients
- **Energy Metabolism:** Physiological fuels- Energy yielding food factors, Units of energy, Direct and Indirect calorimetry, Respiratory Quotient (RQ). Components of Total Energy Expenditure (TEE) – Basal Metabolic Rate (BMR), Physical Activity (PA), Thermic effect of Food (TEF) and Resting Energy Expenditure (REE). Determination of Calorific value of food using Bomb Calorimeter. Definition of BMR, factors affecting BMR, calculation of BMR, determination of BMR using *At Water, Rosa Respiration chamber*
- **Carbohydrates:** Structure, Composition and Chemistry, Classification, Sources and Functions. Dietary fiber – Types, Sources, Functions, Nutritional significance of carbohydrates

UNIT II- PROTEINS & NUCLEIC ACIDS, LIPIDS **15 HOURS**

- **Proteins** - Composition and Chemistry of proteins, Classification, Sources and General properties, Denaturation, Functions and Nutritional significance, Supplementary value of amino acids.
- **Nucleic acids** – Composition and Types, Deoxyribonucleic acid(DNA), Ribonucleic acid (RNA) — Structure and Biological functions
- **Lipids** - Composition and Chemistry, Classification – Simple, Compound, Derived; Functions, Sources and Chemical properties. Elements of fat analysis – Saponification number, Iodine number, Acid number, Rancidity. Essential fatty acids – Nutritional significance. Cholesterol - Functions, Types – High Density Lipoproteins (HDL) and Low density Lipoproteins (LDL).

UNIT III- VITAMINS **15 HOURS**

- **Fat Soluble vitamins** - Nutritional significance, Sources, Functions and Deficiency of – A, D, E and K
- **Water-Soluble vitamins** - Nutritional significance, Sources, Functions and Deficiency of B-complex vitamins – Thiamine, Riboflavin, Niacin, Pantothenic Acid, Pyridoxine, Folic Acid, Cyanocobalamin and Vitamin C

UNIT IV- MINERALS, WATER AND ELECTROLYTES **15 HOURS**

- **Minerals** - Nutritional significance, Sources, Functions, Deficiency of Calcium, Iron, Iodine, Zinc and Selenium
- **Water** – Significance, Functions, Distribution of body water, Regulation of water balance – Over hydration, Dehydration.
- **Electrolytes** – Significance, Functions, Distribution of electrolytes in the body, Regulation of Electrolyte balance – Hyponatremia and Hypernatremia, Hypokalemia and Hyperkalemia, Renin-Angiotensin-Aldosterone System (RAAS).

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REFERENCE BOOKS

- ✓ Nutrition science- B Srilakshmi, New age international publishers, 2nd edition.
- ✓ A textbook of biochemistry, Dr AVSS Rama Rao, 10th edition, UBS publishers Distribution Pvt. Ltd.
- ✓ Biochemistry- U Satyanarayana, Uchakrapani, Books and Allied Pvt Ltd
- ✓ Helen A. Guthrie, Introductory Nutrition, Times Mirror Mosby
- ✓ Swaminathan M, Advance Textbook on Food and Nutrition, Volume 1, The Bangalore printing and publishing co., Ltd.
- ✓ Mudambi SR and Rajagopal M V, Fundamentals of food and Nutrition, Willey Eastern Ltd.
- ✓ Swaminathan M, Handbook of Food and Nutrition, The Bangalore Printing and Publishing Co. Ltd.

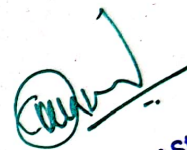


Goudas
18/11/2025



Anand
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K. V.



Chairman - Board of Studies
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B.Sc. APPLIED NUTRITION & PUBLIC HEALTH
VEERANARI CHAKALI ILAMMA WOMEN'S UNIVERSITY
 REVISED SYLLABUS (CBCS) WITH EFFECT FROM 2020-21
B. Sc. I YEAR SEMESTER I PAPER I DSC - 1A
Code BS 104 BASICS OF HUMAN NUTRITION AND NUTRITIONAL
BIOCHEMISTRY

(Practical)

CREDIT-1

Hours: 30

I. Introduction to Qualitative Analysis of Nutrients

II. Carbohydrates:

1. Qualitative analysis of Glucose
2. Qualitative analysis of Fructose
3. Qualitative analysis of Maltose
4. Qualitative analysis of Sucrose
5. Qualitative analysis of Lactose
6. Qualitative analysis of Starch

III. Proteins

1. Qualitative analysis of Proteins

IV. Minerals

1. Qualitative analysis of Minerals

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B. Sc. 1 YEAR SEMESTER II PAPER II DSC - 1B

Code BS 204 METABOLISM OF BIOMOLECULES (Theory)

60 HOURS

CREDITS -4;

Program Objectives:

- PO1: Enable to understand digestion, absorption, utilization and metabolism of carbohydrates.
- PO2: Equip the knowledge of metabolism, digestion, absorption and utilization of proteins and lipids.
- PO3: Understand the classification, properties and mechanism of action of enzymes.
- PO4: Familiarize the concept of endocrine glands and their secretions and mode of action.

Course Outcomes:

- CO1: Apply knowledge of biochemical processes to understand the digestion, absorption, and metabolism of carbohydrates.
- CO2: Analyse the metabolic process of digestion, absorption, and metabolism of proteins and lipids
- CO3: Explain the enzyme nomenclature, classification, properties and mechanism of enzyme action and its diagnostic importance in various disease conditions.
- CO4: Understand the role of hormones in the body, including the major endocrine glands, their secretions, classification, mode of action, and functions.

Gundar

Anusha P

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 REVISED SYLLABUS (CBCS) WITH EFFECT FROM 2020-21
B. Sc. I YEAR SEMESTER II PAPER II DSC - 1A
Code BS 201 METABOLISM OF BIOMOLECULES

CREDITS 4**60 HOURS****UNIT I CARBOHYDRATES****15 HOURS**

- Digestion, Absorption and Utilization of Carbohydrates
- Glycolysis and TriCarboxylic Acid Cycle with Energetics
- Gluconeogenesis, Hexose Mono Phosphate Shunt (HMP)
- Glycogenesis

UNIT II PROTEINS AND FATS**15 HOURS**

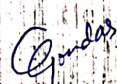
- Digestion, Absorption and Utilization of Proteins
- Deamination, Transamination and Decarboxylation
- Digestion, Absorption and Utilization of Lipids
- Beta-oxidation of fatty acids

UNIT III ENZYMES**15 HOURS**

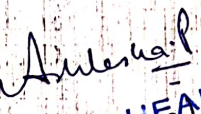
- Enzymes nomenclature and Classification, Chemical Nature and Properties
- Mechanism of Enzyme action, Factors affecting enzyme activity and Enzyme inhibition
- Co-enzymes Role in Metabolism- Nicotinamide Adenine Dinucleotide (NAD⁺), Flavin Mononucleotide(FMN), Flavin Dinucleotide(FAD), Thiamine pyrophosphate(TPP), Coenzyme A(CoA) and Adenosine Triphosphate(ATP).
- Diagnostic importance of enzymes – Amylase, Alkaline Phosphatase, Serum Glutamate Pyruvic Transaminase (SGPT), Serum Glutamic-Oxaloacetic Transaminase (SGOT), Lactate Dehydrogenase (LDH) and Creatine Phosphokinase (CPK).

UNIT IV HORMONES**15 HOURS**

- Hormones – Classification – Chemical Nature, Mechanism of Action
- Endocrine glands and their Secretions – Hypothalamus, Pituitary, Thyroid, Adrenal and Gonads
- Hypo and Hyper Secretion of Insulin, Thyroxin, Growth Hormone, Sex hormones
- Biological significance of Parathyroid hormone (PTH) and Adrenocorticotrophic hormone (ACTH)




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B. Sc. I YEAR SEMESTER II PAPER II DSC - 1A
Code BS 201 METABOLISM OF BIOMOLECULES

(Practical)

Credits-I

Hours: 30

- I. Estimation of moisture
- II. Estimation of ash
- III. Preparation of ash solution
- IV. Estimation of calcium by titrimetry.
- V. Estimation of iron by Wong's method.
- VI. Estimation of ascorbic acid by 2, 6 - dichlorophenol indophenol method.
- VII. Quantitative analysis of carbohydrates
 - Estimation of reducing sugar by Benedict's method
 - Estimation of Fructose by Roe's Resorcinol method
- VIII. Estimation of protein by Biuret method
- IX. Determination of saponification number of oil.

Gundas

Arulma P
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- ✓ A textbook of biochemistry, Dr AVSS Rama Rao, 10th edition, UBS publishers Distribution Pvt. Ltd.
- ✓ Biochemistry- U Satyanarayana, U chakrapani, Books and Allied (Pvt.Ltd)
- ✓ Helen A. Guthrie, Introductory Nutrition, Times Mirror Mosby
- ✓ Swaminathan M, Advance Textbook on Food and Nutrition, Volume 1, The Bangalore printing and publishing co.,Ltd.
- ✓ Mudambi SR and Rajagopal M V, Fundamentals of food and Nutrition, Willey Eastern Ltd.
- ✓ Swaminathan M, Handbook of Food and Nutrition, The Bangalore Printing and Publishing Co. Ltd.

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DEPARTMENT OF FOOD AND NUTRITION
VEERANARI CHAKALI ILAMA WOMEN'S UNIVERSITY
COURSE: B.Sc (APPLIED NUTRITION AND PUBLIC HEALTH)

**LIST OF PANEL OF EXAMINERS FOR PAPER SETTING THEORY &
PRACTICALS - 2025-26**

S.No.	Faculty Name	College Name	Contact.No.	Email.ID
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7.	Ms. Urooja Birjis	Faculty Department of Nutrition, St. Ann's College for Women, Mehdiapatnam, Hyderabad.	9542815524	uroojbirjis@yahoo.com

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THEORY EXAMINATION

Total Marks for Theory Examination = 100 Marks

External Exam : 80 Marks

Internal Exam : 15 Marks

Assignment : 05 Marks

Total Internal Assessment = 20 Marks (Internal Exam + Assignment)

Two Internal Assessments of 15 Marks each.

Average of the Two Internal Assessment tests are considered

PRACTICAL EXAMINATION

Total Marks for Practical Examination = 50 Marks

Continuous and Comprehensive Evaluation : 20 Marks
(Min. pass marks 50%)

External Exam : 30 Marks
(Min. pass marks 50%)

PROJECT WORK

Project Work Assessment : 100 Marks

MINIMUM PASS MARKS (40% THEORY)

Theory Examination : 32 Marks (Out of 80 Marks)

Practical Examination : 25 Marks (Out of 50 Marks)

Reduction of 10% pass marks in each subject is given to the students of Hearing Impaired, Orthopedically Handicapped and visually challenged for all the UG Courses.

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2

VEERANARI CHAKALI ILAMMA WOMEN'S UNIVERSITY TELANGANA

Guidelines for the Distribution of marks for Project Evaluation of Sixth Semester

Date: 03-09-2025

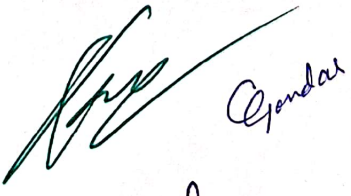
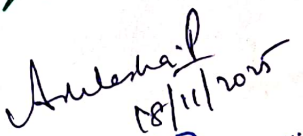
The Evaluation of the Project Shall be according to the scheme given below:

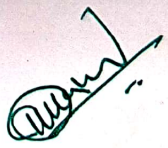
Component	Marks
Internal Assessment	20
Originality approach/ Field wok/ Literature Survey	25
Report/Thesis	30
Presentation and Viva	25

The evaluation of the project shall be done by the external examiner according to the scheme given below. There shall be maximum of 12 candidates permission with two sessions per day.

The project/ dissertation duly attested by the supervising teacher and certified by the Head of the department, has to be submitted on the day of examination of Project. The project/ dissertation shall be prepared in 50-75 pages as per the format given below.

1. Title/ Front page (Certified by the HOD)
2. Declaration by the candidate
3. Certificate attested by the supervising teacher
4. Acknowledgement, if any
5. Table of content
6. Abbreviation, if any
7. Abstract , Introduction & Review of literature
8. Material and methods
9. Results and discussion
10. Conclusions
11. References


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Veeranari Chakali Ilamma Women's University
Hyderabad Telangana.
B.A. / B.Com. / B.Sc. /B.B.A. Semester
I- Internal Assessment (Subject)

Name:

Class:

Roll No:

I) Multiple choice questions

1. a) b) c)
2. a) b) c)
3. a) b) c)
4. a) b) c)
5. a) b) c)
6. a) b) c)
7. a) b) c)
8. a) b) c)
9. a) b) c)
10. a) b) c)

Date

Time

Marks: 15

10 x 1/2 = 5M

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

[]

d)

10x $\frac{1}{2}$ = 5

II) Fill in the blanks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

III) One mark questions

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

Andana P
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5x1 = 5

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K. V

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[Signature]



Veeranari Chakali Ilamma Women's University
B.A./B.Com./B.Sc./BBA Internal Assessment
Department of -----; 2nd Internal Assessment Examination
Paper: -----; Subject: ----- Max Marks 15

Roll No: -----

Name: -----

Answer the following Questions in brief:

2 x 21/2 = 5M

1. a)
b)
2. a)
b)

Answer the following in detail:

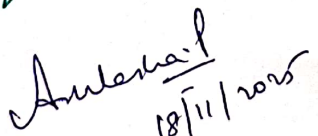
2 x 5 = 10M

3. a)
b)
4. a)
b)

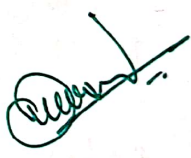
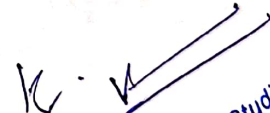
Or

Or

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Veeranari Chakali Ilamma Womens University

Telangana-500095

B.A/B.B.A/ B.Com/ B.Sc. Semester II/IV

SEC Internal assessment (Subject)

Name:

Date

Class:

Time : 30 Min

Roll No:

Marks: 10

I) Multiple choice questions

$$6 \times \frac{1}{2} = 3$$

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)

$$6 \times \frac{1}{2} = 3$$

II) Fill in the blanks

1.

2.

3.

4.

5.

6.

III) One mark questions

1.

2.

3.

4.

$$4 \times 1 = 4$$

Antesha P
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CODE NO:

VEERANARI CHAKALI ILAMMA WOMEN'S UNIVERSITY

KOTI, HYDERABAD-095

FACULTY OF SCIENCE

B.Sc. YEAR - SEMESTER EXAMINATION, MAY - 2025

(QUESTION PAPER PATTERN FOR CBCS)

Time: 3 Hours

(Max. Marks: 80)

Answer any Eight Questions

SECTION - A

(Short notes)

(8 X 4 = 32)

1. Question from Unit-I
2. Question from Unit-I
3. Question from Unit-I
4. Question from Unit-II
5. Question from Unit-II
6. Question from Unit-II
7. Question from Unit-III
8. Question from Unit-III
9. Question from Unit-III
10. Question from Unit-IV
11. Question from Unit-IV
12. Question from Unit-IV

SECTION - B
(Essay type)

(4 X 12 = 48)

13. a) Question from Unit-I
(OR)
b) Question from Unit-I
14. a) Question from Unit-II
(OR)
b) Question from Unit-II
15. a) Question from Unit-III
(OR)
b) Question from Unit-III
16. a) Question from Unit-IV
(OR)
b) Question from Unit-IV

Important Notes:

- (i) For both the sections A & B, questions with strict syllabus, Marks and Time allotted.
- (ii) The questions appearing in one section should not be repeated in another section.

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