



M. Sc. H.Sc. (Foods and Nutrition):
Semester – I

| | |
|---|---|
| Programme Outcome (PO) - For MSc. (Home Sci.) (Food and Nutrition) Programme | The programme outcome of M.Sc. (Home Science) is to instill professional, practical and entrepreneurship skills for improvement in the quality of life of family and community. |
| Programme Specific Outcome (PSO) - For MSc. (Home Sci.) (Food and Nutrition) Semester-I | <ul style="list-style-type: none"> • To impart knowledge related to fundamentals of Biochemistry, Molecular Nutrition, Medical Nutrition Therapy, Food Science, Nutraceuticals, Community Nutrition and Food Quality Assurance through theoretical and practical skills. • To familiarize the students with government programmes and schemes related to public health nutrition. • To train the students to become registered dietitians as well as professionals of Food and Nutrition services/industries and nutripreneurs. • To train the students to take up jobs in nutrition related state, national and international health and welfare programmes. • To acquire skills to undertake systematic and independent research in the area of Foods and Nutrition. |

| | |
|---------|--|
| To Pass | At least 40% Marks in the University Examination in each paper and 40% Marks in the aggregate of University and Internal examination in each course of Theory, Practical & 40% Marks in Viva-voce. |
|---------|--|

| Sr. No. | C/E | Course No | Title | T/P | Credits Per Week | Contact hrs/ week | Exam Duration in hrs | Marks | | |
|--------------------|-----|-------------|--|-----|------------------|-------------------|----------------------|----------|----------|--------|
| | | | | | | | | Internal | External | Total |
| Core Course | | | | | | | | | | |
| 1 | C | PH01C FDN51 | Principles and Applications of Instruments and Techniques | T | 4 | 4 | 3 | 30/10 | 70/28 | 100/40 |
| 2 | C | PH01C FDN52 | Practical based on PH01C FDN51 (Principles and Applications of Instruments and Techniques) | P | 2 | 4 | 4 | 15/5 | 35/14 | 50/20 |
| 3 | C | PH01C FDN53 | Basic Biochemistry | T | 4 | 4 | 3 | 30/10 | 70/28 | 100/40 |





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2021-2022

| | | | | | | | | | | |
|---|---|-------------|---|---|-----------|-----------|----------|------------|------------|------------|
| 4 | C | PH01C FDN54 | Practical based on PH01C FDN53 (Basic Biochemistry) | P | 2 | 4 | 4 | 15/5 | 35/14 | 50/20 |
| 5 | C | PH01C FDN55 | Physiology and Clinical Biochemistry | T | 4 | 4 | 3 | 30/10 | 70/28 | 100/40 |
| 6 | C | PH01C FDN56 | Practical based on PH01C FDN55 (Physiology and Clinical Biochemistry) | P | 2 | 4 | 4 | 15/5 | 35/14 | 50/20 |
| Viva Group | | | | | | | | | | |
| 7 | C | PH01C FDN57 | Comprehensive viva voce | - | 1 | 2 | - | 25 | - | 25 |
| Elective Course (8 & 9 OR 10 & 11) | | | | | | | | | | |
| 8 | E | PH01E FDN51 | Food Microbiology | T | 4 | 4 | 3 | 30/10 | 70/28 | 100/40 |
| 9 | E | PH01E FDN52 | Practical based on PH01E FDN51 (Food Microbiology) | P | 2 | 4 | 4 | 15/5 | 35/14 | 50/20 |
| 10 | E | PH01E FDN53 | Cell and Molecular Biology | T | 4 | 4 | 3 | 30/10 | 70/28 | 100/40 |
| 11 | E | PH01E FDN54 | Practical based on PH01E FDN53 (Cell and Molecular Biology) | P | 2 | 4 | 3 | 15/5 | 35/14 | 50/20 |
| Total | | | | | 25 | 34 | - | 205 | 420 | 625 |

Note : 1) : C- Core course, E- Elective course

2) : Student will select any one elective from theory and the related practical.

