

M.Sc. (Home Science)

Prospectus No. 2016194

Semester-I & III - Winter-2015

Semester-II & IV - Summer-2016

संत गाडगे बाबा अमरावती विद्यापीठ
SANT GADGE BABA AMRAVATI UNIVERSITY

गृहविज्ञान विद्याशाखा
(FACULTY OF HOME SCIENCE)

PROSPECTUS

OF

M.SC. (Home Science) (Resource Management)

EXAMINATIONS

SEMESTER-I & III, WINTER-2015

SEMESTER-II & IV, SUMMER-2016



2015

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Price Rs...../-

Published by
Registrar,
Sant Gadge Baba
Amravati University
Amravati - 444 602

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M.Sc. (Home Science) (Resource Management)

(Semester-I to IV)

(Prospectus No.2016194)

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SANT GADGE BABA AMRAVATI UNIVERSITY
SPECIAL NOTE FOR INFORMATION OF THE STUDENTS

(1) Notwithstanding anything to the contrary, it is notified for general information and guidance of all concerned that a person, who has passed the qualifying examination and is eligible for admission only to the corresponding next higher examination as an ex-student or an external candidate, shall be examined in accordance with the syllabus of such next higher examination in force at the time of such examination in such subjects, papers or combination of papers in which students from University Departments or Colleges are to be examined by the University.

(2) Be it known to all the students desirous to take examination/s for which this prospectus has been prescribed should, if found necessary for any other information regarding examinations etc. refer the University Ordinance Booklet the various conditions/provisions pertaining to examinations as prescribed in the following Ordinances-

Ordinance No. 1	:	Enrolment of Students.
Ordinance No.2	:	Admission of Students
Ordinance No. 4	:	National Cadet Corps
Ordinance No. 6	:	Examination in General (relevant extracts)
Ordinance No. 18/2001:		An Ordinance to provide grace marks for passing in a Head of passing and Improvement of Division (Higher Class) and getting Distinction in the subject and condonation of defficiency of marks in a subject in all the faculties prescribed by the Statute NO.18, Ordinance 2001.
Ordinance No.9	:	Conduct of Examinations (Relevant extracts)
Ordinance No.10	:	Providing for Exemptions and Compartments
Ordinance No. 19	:	Admission of Candidates to Degrees

Ordinance No.109	:	Recording of a change of name of a University Student in the records of the University
Ordinance No. 6/2008	:	For improvement of Division/Grade.
Ordinance No.19/2001	:	An Ordinance for Central Assessment Programme, Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University, Ordinance 2001.

Registrar
 Sant Gadge Baba Amravati University

SANT GADGE BABA AMRAVATI UNIVERSITY**DIRECTION**

No.: 46/ 2010

Date : 05/07/ 2010

Subject : Examinations Leading to the Degree of (गृहविज्ञान पारंगत) Master of Science (Home Science) (Two Year Course – Semester Pattern), Direction 2010.

Whereas, the Board of Studies in Home Science have prepared and recommended the Schemes of Teaching and Examinations along with Draft Ordinance for M.Sc. (Home Science) for the subjects (1) Communication and Extension, (2) Food Science and Nutrition, (3) Human Development, (4) Resource Management, & (5) Textile and Clothing, Semester-I to IV as per Semester Pattern and Credit Based Performance and Assessment System.

AND

Whereas, the faculty of Home Science in its meeting held 2.12.2009 have recommended the schemes along with Draft Ordinance with corrections to the Academic Council.

AND

Whereas, Academic Council in its meeting held on 20.02.2010 while considering item No. 16 8) A) R-2 on the agenda, have principally accepted the above recommendations of faculty of Home Science and constituted the Committee for some terms of references.

AND

Whereas, the Committee of Academic Council in its meeting held on 18.5.2010 vide item No.1 have suggested amendments in the above recommendations (Schemes of examinations and Draft Ordinances) and directed the Dean/expert member of Committee to submit the modified recommendations for placing it before the Academic Council meeting according to the terms of references.

AND

Whereas, the aforesaid recommendations were placed before the Academic Council in its meeting held on 28.5.2010 vide item No.46 and the Council resolved to accept the refer the Schemes/Draft Ordinance to the Ordinance Committee for placing it directly before the Management Council.

AND

Whereas, the Hon^{ble} Vice-Chancellor has accepted the corrections in the Schemes of Examinations and proposed draft Ordinance

of M.Sc. (Home Science) in all specializations on behalf of Faculty of Home Science and Academic Council as recommended by Dean, faculty of Home Science.

AND

Whereas, the making of Ordinance/Regulation for M.Sc. (Home Science) (Semester Pattern) for the subjects (1) Communication and Extension, (2) Food Science and Nutrition, (3) Human Development, (4) Resource Management, & (5) Textile and Clothing, is a time consuming process.

AND

Whereas, it is necessary to provide the Schemes of examinations along with other details with eligibility criteria for the purpose of admissions.

Now, therefore, I, Dr. Kamal Singh, Vice Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

1. This Direction may be called "Examinations Leading to the Degree of (गृहविज्ञान पारंगत) Master of Science (Home Science) (Two Year Course & Semester Pattern), Direction 2010".
2. This direction shall come into force from the date of its issuance.
3. There shall be four semester examinations leading to the Degree of (गृहविज्ञान पारंगत) Master of Science (Home Science), namely :-
 - i) the (गृहविज्ञान पारंगत भाग-१) M.Sc. (Home Science) Part-I consists of Semester-I & II examinations, and;
 - ii) the (गृहविज्ञान पारंगत भाग-२) M.Sc. (Home Science) Part-II consists of Semester-III & IV examinations.
4. The students who have passed bachelors degree in Home Science/ Science/ Technology/ Medical/ Agriculture/Management are eligible for admission in M.Sc. Home Science in Resource Management/ Food Science and Nutrition/Human Development/ Textiles and Clothing/Communication and Extension subject to the condition that the student should have respective subject at which she/he is applying.
5.
 - (i) The duration of the course shall be of two academic years.
 - (ii) The examination of first and third semester shall be held in winter and that of second and fourth semester shall be held in summer every year.
 - (iii) Practical of odd semesters (Sem-I & III) shall be conducted by the College/department under the supervision of Principal/ Head. Practicals of even semesters (Sem-II & IV) will be conducted by appointing external and internal examiners.

6. The examinations specified in the preceding paragraph shall be held at such places and on such dates as may be appointed by the Board of Examination.

7) **I) Examinations of Odd Semesters :**

- (1) Odd semesters theory and practical examinations of Sem-I & III shall be conducted by College/Department under the supervision of Principal / Head of the Department in winter.
- (2) The concerned subject teacher shall be the paper setter and valuer in case of theory examinations. Examiner of practical examinations will also be the concerned subject teacher of the College / Department.
- (3) The concerned subject teacher of the College / Department shall do the work of paper setting as per the instructions for the paper setter. Valuation will also be done by the concerned teacher.
- (4) Question papers, foil, counter foil of marksheet (in the prescribed format), attendance sheet of examinee and time table of examination shall be prepared by the concerned teacher and send it to the University duly signed by College Principal / Department Head.
- (5) College / Department shall issue marksheets of odd semester examinations to students duly signed by respective Principal of College / Head of the Department.

II) Examinations of Even Semesters :

- (1) The theory and practical examinations of even semester Sem-II & IV shall be conducted by the University.

8) Subject to his/ her compliance with provisions of this Direction and of other Ordinances (Pertaining to examinations in General) in force from time to time, the applicant for admission, at the end of the course of a particular term(s) shall be eligible to appear if:

- i) he /she satisfied the conditions in the Table-I.
- ii) he / she has prosecuted a regular course of study in the University / College affiliated to the University
- iii) he /she has in the opinion of the Head of the Department / Principal shown satisfactory progress in his / her studies.

TABLE-I

Name of Exam	The student should have passed / cleared the examination of	The student should have completed the session/term satisfactorily
M.Sc.Semester-I (Home Science)	B.Sc.(Home Science) or equivalent	ô ô -
M.Sc.Semester-II (Home Science)	ô ô	M.Sc. Semester-I
M.Sc.Semester-III (Home Science)	2/3 heads of Semester-I & II combined together	ô ô
M.Sc.Semester-IV (Home Science)	ô ô	M.Sc. Semester-III

Note:-

- For calculating the heads, the theory and practical shall be considered as a separate head.
- Student shall have to complete the research work and submit the dissertation to University for award of Degree.

9. Students will be admitted to General Interest Course (GIC) for their choice at Semester-II, III & IV after counseling and will be registered in the preceeding semester.
10. Without prejudice to the other provisions of Ordinance No. 6 relating to the Examinations in General, the provisions of Paragraphs 5,8,10,27 and 32 of the said Ordinance shall apply to every Collegiate candidate.
11. The fee for the Examination shall be as prescribed by the competent authority, time to time.
12.
 - (i) The scope of the subjects shall be as indicated in the Syllabus.
 - (ii) The medium of Instruction shall be English.
 - (iii) Question Paper shall be in English.
 - (iv) Examinees shall have option to write answers in English or Marathi.
13. The Schemes of teaching and examinations for M.Sc. (Home Science) course, computation of SGPA & CGPA and illustrative example for results in Grade Point System shall be as provided under Appendix/Appendices appended with the related regulation.

14. A Masters programme is of a two academic year course. If a student fails to pursue two year course, she/he will be given Certificate of P.G. Diploma in Home Science of respective discipline after successful completion of first and second semester.
15. The system of evaluation will be as follows:
Theory, practical, internal, dissertation, viva, seminar will be evaluated in terms of marks. Then marks will be converted into a grade and later a grade point average. Results will be declared for each semester and the final examination will give total grade and grade point average.
16. A total of 80 credits have to be taken by the students to complete the programme.
17. The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee of post graduate course shall be as given below :-

The marks will be given in all examinations which will include internal assessment marks and the total marks for each Theory / Practical shall be converted into Grades as shown in Table.

SGPA shall be calculated based on Grade Points corresponding to Grade and the Credits allotted to respective Theory / Practical shown in the scheme for respective semester.

SGPA shall be computed for I, II, III, & IV Semester and CGPA shall be computed only in IV Semester based on SGPA's of I, II, III, & IV Semester. :-

$$\text{SGPA} = \frac{C_1 \times G_1 + C_2 \times G_2 + \dots + C_n \times G_n}{C_1 + C_2 + \dots + C_n}$$

Where C_1 = Credit of individual Theory / Practical
 G_1 = Corresponding Grade Point obtained in the respective Theory / Practical

$$\text{CGPA} = \frac{(\text{SGPA})_I \times (\text{Cr})_I + (\text{SGPA})_{II} \times (\text{Cr})_{II} + (\text{SGPA})_{III} \times (\text{Cr})_{III} + (\text{SGPA})_{IV} \times (\text{Cr})_{IV}}{(\text{Cr})_I + (\text{Cr})_{II} + (\text{Cr})_{III} + (\text{Cr})_{IV}}$$

Where $(\text{SGPA})_{I,II,III,IV}$ = SGPA of I, II, III, IV Semester
 $(\text{Cr})_{I,II,III,IV}$ = Total Credits for I, II, III, IV Semester

CGPA equal to 6.00 and above shall be considered as equivalent to First Class which shall be mentioned on Grade Card of IV Semester as a foot note.

Table of Grade, Percentage of Marks and Grade Points for P.G. Home Science Examinations

THEORY		
Grade	Percentage of Marks	Grade Points
AA	80 ≤ Marks ≤ 100	10
AB	70 ≤ Marks < 80	9
BB	60 ≤ Marks < 70	8
BC	55 ≤ Marks < 60	7
CC	50 ≤ Marks < 55	6
CD	45 ≤ Marks < 50	5
DD	40 ≤ Marks < 45	4
FF	00 ≤ Marks < 40	0
ZZ	Absent in Examination	0
PRACTICAL		
Grade	Percentage of Marks	Grade Points
AA	85 ≤ Marks ≤ 100	10
AB	80 ≤ Marks < 85	9
BB	75 ≤ Marks < 80	8
BC	70 ≤ Marks < 75	7
CC	65 ≤ Marks < 70	6
CD	60 ≤ Marks < 65	5
DD	50 ≤ Marks < 60	4
FF	00 ≤ Marks < 50	0
ZZ	Absent in Examination	0

Table of Final Grade Points for SGPA and CGPA

SGPA/CGPA	Final Grade	Remarks (Not to be mentioned on Transcript)
8.00-10	AA	Outstanding
7.00 ó 7.99	AB	Excellent
6.00-6.99	BB	Very Good
5.50-5.99	BC	Good
5.00-5.49	CC	Fair
4.50-4.99	CD	Average
4.00-4.49	DD	Below Average
00-3.99	FF	Fail
Absent in Examination	ZZ	0

- Teachers appointed in Home Science faculty are eligible to teach add-on course and communication skills of bachelor programme other than the subject teacher.
- About 20-30% marks are assigned for internal assessment in theory as well as practicals in which, performance in class test, session end examination, projects, seminars and assignments, attendance etc. will be assessed.
- In order to develop research aptitude, research based subjects are included at master's level. Dissertation is compulsory and research work of dissertation will begin from third semester and end in fourth semester. There shall be an open viva-voce on it.
- Scheme is focused on participatory learning, therefore practicals, seminars, home & community visits, extension activities, organization of intervention programmes, on job training / internship, projects participation in national and international days etc. are included.
- Choice based course (General Interest Course) shall be as per the Science faculty of this University, notified from time to time.
- Schemes of Bachelors and Masters Programme in Home Science are as enclosed herewith.
- Relative Weightage of internal assessment, (Theory and Practical), practical, dissertation & Seminar, rating scale of theory and practical subjects, final Grade Points for SGPA and CGPA are given in respective tables.

SCHEME OF TEACHING AND EXAMINATION
M.Sc. HOME SCIENCE (COMMUNICATION AND EXTENSION)

Sr. No.	Subject Code	Title of Paper	Teaching Scheme						Examination Scheme									Total
			Hours of instructions per week			Credits			Theory			Practical						
			Theory	Practical / Tutorial	Total	Theory	Practical	Total	Duration in Hrs.	Max. Marks	Minimum passing grade point	Duration in Hrs.	Max. Marks	Minimum passing grade point				
									Theory	Internal		Practical	Internal					
Semester-I																		
7.1	115CO45	Community Organisation and Development Theories	3	2	5	3	1	4	2	50	25	4	--	--	25	4	100	
7.2	115SD46	Sustainable Development Initiatives & Approaches	3	2	5	3	1	4	2	45	30	4	--	--	25	4	100	
7.3	113IL47	Human Learning Psychology	2	2	4	2	1	3	2	35	15	4	--	--	25	4	75	
7.4	115PD48	Programme Design and Evaluation	4	4	8	4	2	6	2.30	60	40	4	3	35	15	4	150	
7.5	111CA49	Computer Application in Communication and Extension Statistics	--	4	4	--	2	2	--	--	--	4	3	35	15	4	50	
Total			12	14	26	12	7	19		300				175		475		
Semester-II																		
8.1	125EE50	Extension Education System	3	2	5	3	1	4	2	45	30	4	--	--	25	4	100	
8.2	125TM51	Training Methodology	3	4	7	3	2	5	2	45	30	4	3	35	15	4	125	
8.3	125C452	Communication Approaches in Extension	3	4	7	3	2	5	2	45	30	4	--	--	50	4	125	
8.4	125ED53	Entrepreneurship Development in Communication OR 2GIC	3	2	5	3	1	4	2	45	30	4	3	20	5	4	100	
8.5	125RM54	Research Methods in Communication and Extension	3	2	5	3	1	4	2	45	30	4	3	--	25	4	100	
Total			15	14	29	15	7	22		375				175		550		
Semester-III																		
9.1	235DP55	Development Project Management	--	4	4	--	2	2	--	--	--	4	--	--	50	4	50	
9.2	235MP56	IEC Material Production OR 3GIC	--	4	4	--	2	2	--	--	--	4	--	--	50	4	50	
9.3	235ELI57	Elective-I	3	4	7	3	2	5	2	45	30	4	3	35	15	4	125	
9.4	235ELII58	Elective-II	3	4	7	3	2	5	2	45	30	4	3	35	15	4	125	
9.5	235ELIII59	Elective-III	3	4	7	3	2	5	2	45	30	4	3	35	15	4	125	
Total			9	20	29	9	10	19		225				250		475		
Elective-I : 235ELI.1 Management of Non-Government Organization 235ELI.2 Writing for Media 235ELI.3 Curriculum Planning and Development			Elective-II : 235ELII.1 Management of Human Service Organization 235ELII.2 Media Planning and Social Advertising 235ELII.3 Curriculum Text Production						Elective-III 235ELIII.1 Community Health & Hygiene Education 235ELIII.2 Media Research and Evaluation 235ELIII.3 Evaluation of Curriculum and Text									
Semester-IV																		
10.1	245WE60	Writing, Editing and Reporting for Mass Communication OR 4GIC	3	4	7	3	2	5	2	45	30	4	--	--	50	4	125	
10.2	245C161	Current Trends and Issues in Extension and Communication	3	4	7	3	2	5	2	45	30	4	--	--	50	4	125	
10.3	245SW62	Scientific Writing	3	4	7	3	2	5	2	45	30	4	--	--	50	4	125	
10.4	245DR63	Dissertation Report	--	--	--	--		3	--	--	--	4	--	75	--	4	75	
		Viva	--	--	--	--		1	--	--	--	--	--	25	--	--	25	
		Seminar	--	--	--	--		1	--	--	--	--	--	--	25	--	25	
Total			9	12	21	9	6	20(15+3*+2**)		225				275		4	500	

Note : Students will have to Select any one paper from each of the Elective-I,II & III mentioned in Semester-III.

*: Dissertation work,

**:. Seminar, Viva

**SCHEME OF TEACHING AND EXAMINATION
M.Sc. (HOME SCIENCE) (FOOD SCIENCE AND NUTRITION)**

Sr. No.	Subject Code	Title of Paper	Teaching Scheme						Examination Scheme									Total
			Hours of instructions per week			Credits			Theory			Practical						
			Theory	Practical/Tutorial	Total	Theory	Practical	Total	Duration in Hrs.	Max. Marks		Minimum passing grade point	Duration in Hrs.	Max. Marks		Minimum passing grade point		
			Theory		Internal	Practical		Internal										
Semester-I																		
7.1	112FS45	Food Science	4	4	8	4	2	6	2.30	60	40	4	3	35	15	4	150	
7.2	113HP46	Human Physiology	4	--	4	4	--	4	2.30	60	40	4	--	--	--	--	100	
7.3	112FI147	Food and Human Behaviour	2	2	4	2	1	3	2.0	35	15	4	--	--	25	4	75	
7.4	112NP48	Nutrition Programme Design and Evaluation	2	4	6	2	2	4	2.0	35	15	4	--	--	50	4	100	
7.5	111CA49	Computer Application in Food Statistics	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
Total			12	14	26	12	7	19		300				175			475	
Semester-II																		
8.1	122FM50	Food Microbiology	3	2	5	3	1	4	2.0	45	30	4	3	20	5	4	100	
8.2	122NB57	Nutritional Biochemistry	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
8.3	122CA52	Communication Approaches in Nutrition	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
8.4	122FD53	Entrepreneurship Development in Food OR 2GIC	3	2	5	3	1	4	2.0	45	30	4	3	20	5	4	100	
8.5	122RM54	Research Methods in Nutrition	3	2	5	3	1	4	2.0	45	30	4	--	--	25	4	100	
Total			15	14	29	15	7	22		375				175			550	
Semester-III																		
9.1	232FP55	Food Product Development	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
9.2	232SE56	Sensory Evaluation OR 3GIC	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
9.3	232ELI57	Elective-I	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
9.4	232ELII58	Elective-II	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
9.5	232ELIII59	Elective-III	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
Total			9	20	29	9	10	19		225				250			475	
Elective-I :			Elective-II :						Elective-III									
232ELI.1 Therapeutic Nutrition			232ELII.1 Biochemical Correlation with Nutritional Therapy						232ELIII.1 Dietetic Techniques & Patient Counseling									
232ELI.2 Assessment of Nutritional Status			232ELII.2 Nutritional Epidemiology						232ELIII.2 Community Nutrition									
232ELI.3 Kitchen Planning, Equipment & Plants			232ELII.3 Food Safety and Quality Control						232ELIII.3 Food Service Management									
Semester-IV																		
10.1	242FI60	Food informatics OR 4GIC	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.2	242CI67	Current Issues in Food & Nutrition	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.3	242SW62	Scientific Writing	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.4	242DR63	Dissertation Report	--	--	--	--		3	--	--	--	--	--	75	--	4	75	
		Viva	--	--	--	--		1	--	--	--	--	--	25	--		25	
		Seminar	--	--	--	--		1	--	--	--	--	--	--	25	--		25
Total			9	12	21	9	6	20(15+3*+2**)		225				275			500	

Note : Students will have to Select any one paper from each of the Elective-I,II & III mentioned in Semester-III.

*: Dissertation work,

** : Seminar, Viva

SCHEME OF TEACHING AND EXAMINATION
M.Sc. (HOME SCIENCE) (HUMAN DEVELOPMENT)

Sr. No.	Subject Code	Title of Paper	Teaching Scheme						Examination Scheme								Total
			Hours of instructions per week			Credits			Theory				Practical				
			Theory	Practical/Tutorial	Total	Theory	Practical	Total	Duration in Hrs.	Max. Marks		Minimum passing grade points	Duration in Hrs.	Max. Marks		Minimum passing grade points	
										Theory	Internal			Practical.	Internal		
Semester-I																	
7.1	113TH45	Theories of Human Development	4	--	4	4	--	4	2.3	60	40	4	3	--	--	--	100
7.2	113PH46	Problems of Human Nutrition	4	4	8	4	2	6	2.3	60	40	4	3	35	15	4	150
7.3	113PH47	Psychology of Human Behaviour	2	2	4	2	1	3	2.0	35	15	4	3	20	5	4	75
7.4	114HD48	Human Development Programme Design and Evaluation	2	4	6	2	2	4	2.0	35	15	4	--	--	50	4	100
7.5	111CA49	Computer Application in Human Statistics	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50
Total			12	14	26	7	19			300				175		475	
Semester-II																	
8.1	123PT50	Psychological Testing	3	4	7	3	2	5	2.0	45	30	4	3	20	5	4	100
8.2	123CA51	Communication Approaches in Human Development	3	2	5	3	1	4	2.0	45	30	4	--	50	--	4	125
8.3	123EH52	Entrepreneurship in Human Development OR 2GIC	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125
8.4	123HA53	Human Anatomy and Physiology	3	2	5	3	1	4	2.0	45	30	4	3	20	5	4	100
8.5	123RM54	Research Methods in Human Development	3	2	5	3	1	4	2.0	45	30	4	--	--	25	4	100
Total			15	14	29	15	7	22		375				175		550	
Semester-III																	
9.1	233WP55	Working with Parents and Community	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50
9.2	233CH56	Child and Human Rights OR 3GIC	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50
9.3	233ELI57	Elective-I	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125
9.4	233ELII58	Elective-II	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125
9.5	233ELIII59	Elective-III	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125
Total			9	20	29	9	10	19		225				250		475	
Elective-I : 233ELI.1 Development of Self 233ELI.2 Advanced Child Development 233ELI.3 Family and Child Welfare			Elective-II : 233ELII.1 Projective Techniques of Psychological Testing 233ELII.2 Behavioural Problems, Child Guidance and Counseling 233ELII.3 Family and Marriage Counseling						Elective-III 233ELIII.1 Mental Health in Developmental Perspectives 233ELIII.2 Child with special Needs 233ELIII.3 Family Dynamics								
Semester-IV																	
10.1	243PE60	Personal Empowerment OR 4GIC	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125
10.2	243CT61	Current Trends and Issues in Human Development	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125
10.3	243SW62	Scientific Writing	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125
10.4	243 DR 63	Dissertation Report	--	--	--	--	--	3	--	--	--	--	--	75	--	4	75
		Viva	--	--	--	--	--	1	--	--	--	--	--	25	--	4	25
		Seminar	--	--	--	--	--	1	--	--	--	--	--	--	2.5	4	25
Total			9	12	21	9	6	20(15+3**+2**)		225				275		500	

Note: Students will have to Select any one paper from each of the Elective-I,II & III mentioned in Semester-III.

*: Dissertation work,

** : Seminar, Viva

**SCHEME OF TEACHING AND EXAMINATION
M.Sc. (HOME SCIENCE) (TEXTILE AND CLOTHING)**

Sr. No.	Subject Code	Title of Paper	Teaching Scheme						Examination Scheme									Total
			Hours of instructions per week			Credits			Theory			Practical						
			Theory	Practical/Tutorial	Total	Theory	Practical	Total	Duration in Hrs.	Max. Marks	Minimum passing grade points	Duration in Hrs.	Max. Marks	Minimum passing grade points				
									Theory	Internal		Practical	Internal					
Semester-I																		
7.1	114AT45	Advanced Textile Design	4	3	7	4	1.5	5.5	2.30	60	40	4	3	20	5	4	125	
7.2	114TC46	Textile Chemistry	3	3	6	3	1.5	4.5	2.0	45	30	4	3	35	15	4	125	
7.3	115PD47	Programme Design and Evaluation in Textile Clothing	2	2	4	2	1.0	3.0	2.0	35	15	4	--	--	25	4	75	
7.4	114ED48	Entrepreneurship Development in Textile and Clothing	3	2	5	3	1.0	4.0	2.0	45	30	4	3	20	5	4	100	
7.5	111CA49	Computer Application in Textile & Clothing Statistics	--	4	4	--	2.0	2.0	--	--	--	--	3	35	15	4	50	
Total			12	14	26	12	7.0	19.0		300				175			475	
Semester-II																		
8.1	124FA50	Fashion and Apparel Design	3	4	7	3	2.0	5.0	2.0	45	30	4	3	35	15	4	125	
8.2	124TT51	Textile Testing & Quality Control	3	4	7	3	2.0	5.0	2.0	45	30	4	3	35	15	4	125	
8.3	123TC52	Textile Clothing and Human Psychology	3	2	5	3	1.0	4.0	2.0	45	30	4	3	20	5	4	100	
8.4	125CA53	Communication Approaches in Textiles and Clothing OR 2GIC	3	2	5	3	1.0	4.0	2.0	45	30	4	--	--	25	4	100	
8.5	124RM54	Research Methods in Textile & clothing	3	2	5	3	1.0	4.0	2.0	45	30	4	3	20	5	4	100	
Total			15	14	29	15	7.0	22.0		375				175			550	
Semester-III																		
9.1	234PM55	Pattern Making	--	6	6	--	3.0	3.0	--	--	--	--	3	50	25	4	75	
9.2	234FI56	Fashion Illustration OR 3GIC	--	6	6	--	3.0	3.0	--	--	--	--	3	50	25	4	75	
9.3	234ELI57	Elective-I	3	2	5	3	1.0	4.0	2.0	45	30	4	3	20	5	4	100	
9.4	234ELII58	Elective-II	3	4	7	3	2.0	5.0	2.0	45	30	4	4	35	15	4	125	
9.5	234ELIII59	Elective-III	3	2	5	3	1.0	4.0	2.0	45	30	4	3	20	5	4	100	
Total			9	20	29	9	10.0	19.0		225			3	250			475	
Elective-I : 234ELI.1 Historic Costume 234ELI.2 Dying and Printing 234ELI.3 Fashion Making and Merchandising			Elective-II : 234ELII.1 Eco Textiles and Environment 234ELII.2 Advanced Apparel Construction 234ELII.3 Historic Textiles						Elective-III 234ELIII.1 Knitting Technology 234ELIII.2 Fashion Communication 234ELIII.3 Textile Industry in India									
Semester IV																		
10.1	244CT60	Current Trends in Textile Clothing	3	4	5	3	2.0	5.0	2.0	45	30	4	--	--	50	4	125	
10.2	244TF61	CAD in Textile and Fashion OR 4GIC	2	6	8	2	3.0	5.0	2.0	35	15	4	3	50	25	4	125	
10.3	244SW62	Scientific Writing	3	4	7	3	2.0	5.0	2.0	45	30	4	--	--	50	4	125	
10.4	244 DR 63	Dissertation Report	--	--	--	--	--	3.0	--	--	--	--	--	75	--	4	75	
		Viva	--	--	--	--	--	1.0	--	--	--	--	--	25	--	4	25	
		Seminar	--	--	--	--	--	1.0	--	--	--	--	--	25	--	4	25	
Total			8	12	20	8	7.0	20(15+3*+2**)		225				275			500	

Note : Students will have to Select any one paper from each of the Elective-I,II & III mentioned in Semester-III. .

*: Dissertation work, **: Seminar, Viva

SCHEME OF TEACHING AND EXAMINATION
M.Sc. (HOME SCIENCE) (RESOURCE MANAGEMENT)

Sr. No.	Subject Code	Title of Paper	Teaching Scheme						Examination Scheme									Total
			Hours of instructions per week			Credits			Theory			Practical						
			Theory	Practical/Tutorial	Total	Theory	Practical	Total	Duration in Hrs.	Max. Marks	Minimum passing grade points	Duration in Hrs.	Max. Marks	Minimum passing grade points				
										Theory	Internal		Practical	Internal				
Semester-I																		
7.1	111HR45	Human Resource Management	4	-	4	4	--	4	2.3	60	40	4	--	--	--	4	100	
7.2	111PM46	Principles of Management	4	4	8	4	2	6	2.3	60	40	4	3	35	15	--	150	
7.3	113HB47	Human Behaviour in Resource Management	2	2	4	2	1	3	2.0	35	15	4	--	-	25	4	75	
7.4	115RD48	Resource Development Programme Design and Evaluation	2	4	6	2	2	4	2.0	35	15	4	--	-	50	4	100	
7.5	111CA49	Computer Application in Resources Statistics	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
Total			12	14	26	12	7	19		300				175		475		
Semester II																		
8.1	121RF50	Residential Furnishing and House Keeping	3	2	5	3	1	4	2.0	45	30	4	3	20	5	4	100	
8.2	121HT51	Household Technology	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
8.3	121C452	Communication Approaches in Resource Management	3	4	7	3	2	5	2.0	45	30	4	--	50	--	4	125	
8.4	121ED53	Entrepreneurship Development OR 2GIC	3	2	5	3	1	4	2.0	45	30	4	3	20	5	4	100	
8.5	121RM54	Research Methods in Resource Management	3	2	5	3	1	4	2.0	45	30	4		-	25	4	100	
Total			15	14	29	15	7	22		375				175		550		
Semester-III																		
9.1	231ER55	Ergonomics	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
9.2	231FM56	Financial Management OR 3GIC	--	4	4	--	2	2	--	--	--	--	3	35	15	4	50	
9.3	231EL157	Elective-I	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
9.4	231EL158	Elective-II	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
9.5	231EL159	Elective-III	3	4	7	3	2	5	2.0	45	30	4	3	35	15	4	125	
Total			9	20	29	9	10	19		225				250		475		
Elective-I :			Elective-II :						Elective-III									
231ELI.1 Home Event Management			231ELII.1 Community Event Management						231ELIII.1 Institutional Event Management									
231ELI.2 Home Furnishing			231ELII.2 Household Equipment; 231ELII.3 Food Service Management						231ELIII.2 House Keeping and Facility Management; 231ELIII.3 Travel Management									
231ELI.3 Front Office Operation and Accommodation																		
Semester-IV																		
10.1	241R160	Resource Informatics OR 4GIC	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.2	241C761	Current Issues and Trends in Resource Management	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.3	241SW62	Scientific Writing	3	4	7	3	2	5	2.0	45	30	4	--	--	50	4	125	
10.4	241 DR 63	Dissertation <i>Report</i>	--	--	--	--	--	3	--	--	--	--	--	75	--	4	75	
		Viva	--	--	--	--	--	1	--	--	--	--	--	25	--	4	25	
		Seminar	--	--	--	--	--	1	--	--	--	--	--	25	--	4	25	
Total						9	6	20(15+3*2**)		225				275		500		

Note : Students will have to Select any one paper from each of the Elective-I,II & III mentioned in Semester-III .

*: Dissertation work,

**: Seminar, Viva

Annexure-I
Internal Assessment of Theory and Practical Examination for
M.Sc. (Home Science)

Table-1 : Internal Assessment of Theory

Sr. No.	Particulars	Total Marks (%)
1	Class Tests	30
2	Assignments	20
3	Session End Examination	50

Table-2 : Internal Assessment of Practicals

Sr. No.	Particulars	Total Marks (%)
1	Submission of Reports	50
2	Performance during Practical / Sessional	50

Table-3: Evaluation of Practical

Sr. No.	Particulars	Total Marks (%)
1	Performance in the conduction of experiments and / or Sessional	50
2	Practical Record /Sessional Reports	30
3	Viva	20

Table-4: Evaluation of Dissertation

Sr. No.	Particulars	Total Marks (%)
1	Title & Introduction	05
2	Review of Literature	05
3	Methodology	15
4	Results & Discussion	35
5	Summary & Conclusion	05
6	Implications	05
7	Norms of Scientific Writing	10
8	Submission of Final Draft of Report (Spiral Bound)	10
9	Submission of corrected report (Hard Bound) along with Soft Copy (CD)	10

Table-5: Evaluation of Seminar

Sr. No.	Particulars	Total Marks (%)
1	Synopsis of dissertation	40
2	Result of Dissertation Work	60

Syllabus Prescribed for M.Sc. (Home Science) (Resource Management)
Semester-I & Semester-II
(Implemented from the Academic Session 2010-11)

Semester-I

Subject code 111HR45

Human Resource Management

Learning Objectives :- After completion of the course students will be able to-

- became aware about of human being as resource potential in attaining goals of family life and as an important national resources.
- acquire ability to use human resources.
- develop ability to improve human resources.

Theory

Unit-I : Human Resource Management.

- Nature of HRM
- Scope of HRM
- Functions and objectives

Unit-II : Human Resource Planning :

- Nature, importance and factors affecting human resource planning.
- The planning process.

Unit-III : Analysing work, designing job and recruitment of human resources :

- Job analysis, job design, recruitment and selection of human resources.
- Human resource training and development of performance appraisal and potential evaluation.

Unit-IV : Human resource training and development of performance appraisal and potential evaluation.

Unit-V : Methods and Techniques for improving human resource use :

- Questioning approach.
- Development of labour saving devices.
- Improvement of working conditions.
- Changing of attitudes.

References :-

- (1) Aswathappa K. (1997), Human Resource and Personal Management, Tata Mc Graw Hill, Delhi.
- (2) Monappa, A. and Saiyadain M. (1966), Personal Management, Tata Mc Graw Hill, New Delhi.
- (3) De Cenzo, D.A. and Robbins S.P., Human Resource Management, New York, John Wiley, 1994.
- (4) Holloway J. (1995), Performance Measurement and Evaluation, New Delhi.

Semester-I
Subject code 111PM46
Principles of Management

Learning Objectives :- After completion of the course students will be able to-

- know the component, human and scientific aspects of management functions.
- know the importance of decisions in management.
- gain managerial skills.

Theory**Unit-1 : Management as a System :**

- Definition
- Elements
- Types
- Advantages and limitations of system approach.
- Application in family resource management.

Unit-2 : Management Functions and Processes :

- Planning ó objectives, principles, policies strategies.
- Organising ó Purpose, principles, processes delegation, authority, responsibility and accountability.

Unit-3 : Staffing, purpose, principle, recruitment, appraisal.

- Guiding, directing, leadership, motivation, communication.

Unit-4 : Decision Making :

- Meaning
- Types of decisions
- Modes of decision making.
- Techniques and tools for decision making : decision need.
- Cost benefit analysis.

Unit-5 : Role of Residence advisor / supervision :

- Ability to manage independently ó resource allocation and management.
- Duties of good supervisor.
- Monitor the use of financial resources and establish norms for expenses for various categories of expenditure.
- Acquire the skill for counselling, negotiating and guiding students.

Practical :

- (1) Stay at residence house for at least one week.
- (2) Management of an event : Individual and group activity.

References :

- 1] Kapur S.K. (1996) : Professional Management, S.K.Publishers, New Delhi.
- 2] Deacon, R.E. and Fire Baugh, F.M. (1975) : Home Management Context and Concept, Houghtor, Miffen, Boston.
- 3] Deacon, R.E. and Fire Baugh, F.M. (1981) : Resource Management Principles and Applications, Allyn and Bacon and Bacon, Boston.
- 4] Sherman, A.W. et.al. (1988) : Managing Human Resources, South-Western Publication Co., Cincinnati.
- 5] Dwivedi, R.S. (1981) : Dynamics of Human Behaviour of Work, Oxford and 9BH, New Delhi.
- 6] Saiyadain, M.S. (1968) : Human Resource Management, Tata McGraw Hill, New Delhi.
- 7] Dayal, R. (1996) : Dyanmics of Human Resource Development, Mittal Publications, New Delhi.

Semester-I
Subject code 113HB47
Human Behaviour in Resource Management

Learning Objectives :- After completion of the course students will be able to-

- understand importance of human behaviour in resource management.
- develop skill of designing, testing attitude, motivation and emotional intelligence.
- sensitize effect of stress on resource management.

Theory**Unit-1 : 1.1 Human Behaviour :**

- Meaning

- Scope and importance.
 - 1.2 Perception :
 - Meaning
 - Perception.
- Unit-2 : Human Behaviour :**
- 2.1 Attitudes :
- Concept of attitudes.
 - Formation of attitudes.
 - Types of attitudes
 - Measurement of attitudes
 - Attitude change.
- 2.2 Motivation :
- Meaning
 - Nature characteristics
 - Motivation cycle / process.
 - Need for motivation.
- Unit-3 :**
- 3.1 Values :
- Concept of values.
 - Types of values.
 - Formation of values.
 - Values and Behaviour.
 - How to develop values?
- 3.2 Learning :
- Meaning, definition, determinants
 - Learning and behaviour.
- Unit-4 :**
- 4.1 Emotions and moods :
- Emotions and moods.
 - Types of emotions.
 - Theories and role of emotion in regular human behaviour.
- 4.2 Group Behaviour :
- Definition and characteristics of group.
 - Group behaviour.
 - Group decision making.
- Unit-5 :**
- 5.1 Stress Management :
- Meaning.
 - Effect of stress.
 - Kinds of stress.
 - Sources of stress.
 - Signs of stress.
 - Management of stress.

Practical :-

- (1) Study and develop attitude scales.
- (2) Study motivation and values scales.
- (3) Testing of emotional quotient by standardized scale.
- (4) Case Study ó Behaviour identified with stress and assessing the existence of stress.

References :-

- (1) Khanka, S.S. (2007); Organisation.
- (2) O.S. Kamp, Stuart (1987), Attitudes and Opinions, Prentice Hall.
- (3) Davis D and T.Ostrom (1987), Attitude Measurement in concise Encyclopaedia of Psychology, John Wiley and Sons, New York.

Semester-I**Subject code 115RD48****Resource Development Programme Design and Evaluation**

Learning Objectives :- After completing this course students will be able to-

- understand the process of programme designing.
- develop ability in planning resource development programme.

Theory**Unit-1 : Programme Planning and Implementation**

- 1.1 Programme Planning ó Meaning and importance.
 - Pre-requisites for developing plan (short term and long term)
 - Programme planning process.
- 1.2 Implementation.
 - Aspects of execution
 - Factors responsible for the successful conduct of programme.

Unit-2 : Evaluation, Followup and Documentation :

- 2.1 Evaluation ó Meaning and purpose of evaluation.
 - Types and tools of evaluation.
- 2.2 Follow up ó Need for follow up.
 - Methods of follow up.
- 2.3 Documentation ó Need for reporting and recording.
 - Aspects to be covered.

Unit-3 : Resource Development Programme Design :

- 3.1 Design objectives and target group.
 - Resource Mapping.
 - Administrative structure
 - Implementation process.
 - Monitoring and Evaluation of designed programme.

Unit-4 : Study the Programme Design and evaluation aspects of on going resource development programmes of GOØ and NGOØ.

Unit-5 : Management Information System (MIS).

Practical :-

- (1) Design consumer awareness / skill development / capacity building programme.
- (2) Implement, evaluate, take follow up and prepare report of the programme.
- (3) Visit on going programmes and prepare reports.

References :

- 1) Singh, R. (1987), Textbook of Extension Education. Sahitya Kala Prakashan, Ludhiana.
- 2) Sandhu, A.S. (1994), Extension Programme Planning. Oxford & IBH Publishing Co., New Delhi .
- 3) Ray, G.L. (1999), Extension Communication and Management. Naya Prakashan; Calcutta.
- 4) Reddy, A. (1999), Extension Education, Sree Lakshmi Press, Bapatla.

Semester-I

Subject code 111CA49

Computer Application in Resource Statistics

Learning Objectives :- After completing this course students will be able to-

- understand use of MS Excel in analysis of resource management.
- develop skill of drafting text, tables, figures etc.

Practical :-

- (1) Computer Basics
 - 1.1 Computer Hardware and Software
 - 1.2 Input and Output devices.
 - 1.3 Basic Operations in Data Handling (copy, paste, prepare folder/ file, burn CD etc.)
- (2) MS Word
 - 2.1 Introduction to MS Word
 - 2.2 Use in drafting letters and reports.
 - 2.3 Drafting tables.
- (3) MS Excel

- 3.1 Introduction to MS Excel.
- 3.2 Use for analysis of data in Resource Management.
 - Descriptive Statistics ó Mean, standard deviation.
 - Corelation ó PearsonØ correlation between two and more variables.
 - Non-parametric Test ó Chi-test.
- 3.3 Graphical Presentation
 - Graphs and Bar Diagrams.
- 3.4 Introduction to applicable statistical analysis softwares.

References :-

- (1) Literature of MSCIT.
- (2) Garrett, Henry E. (1971), Statistics in Psychology and Education, David Hanley and Co.
- (3) Edward, Experimental Design in Psychological Research.
- (4) Kerlinger, Foundation of Educational Research.

Semester-II

Subject Code : 121RF50

Residential Furnishing and House Keeping

Objectives :

- To understand the factors influencing space design organization for optimum comfort and functionalism
- To evaluate ergonomically residential interior space for various activities
- To acquaint with the adequate facility for work, relaxation, rest, comfort, privacy, care, aesthetics etc. through interior space designing
- To study the materials along with fittings and fixtures used in residential interiors

Theory

Unit 1 : In depth understanding of residential interiors space design from design point of view.

Unit 2 :

- 2.1 Study of factors influencing furnishing of residential interior spaces
- 2.2 Factors to be considered while designing
 - Orientation
 - Grouping of userØ area
 - Circulation between and within userØ area
 - Light and ventilation
 - Flexibility
 - Privacy
 - Roominess (Spaciousness)

- Services
- Aesthetics
- Cost

Unit 3 :

- 3.1 Basics of furniture design and types of furniture design
- 3.2 Current trends in interior design

Unit 4 :

- 4.1 Application of appropriate materials for various uses
- 4.2 Study of various types of fixtures, their uses, selection and care
 - Use of timber for different purposes with their joints
 - Types of floor
 - Various ways of operating shutters
 - Methods of paneling and cladding to walls
 - False ceiling of different types in various materials

Unit 5 : House Keeping

- 5.1 Importance of house keeping, cleaning and maintainance
- 5.2 Types of furniture, their selection, care and cleaning
- 5.3 Furniture arrangement in different rooms, utilizing principles and elements of arts
- 5.4 Furnishing accessories
 - Functional and decorative
 - Use and care
- 5.5 Window treatment
 - Types of windows
 - Curtains, blinds
 - Accessories

Practicals

- 1) Drawing sketches of two dimensional and three dimensional
- 2) Layout of various furniture units
- 3) Display of window treatments
- 4) Display of colour schemes in drawing room, bed room, study room, dinning room, kitchen, bathroom, water closet
- 5) Application of computer aided interior design for colour scheme, furniture arrangement, curtains, accessories

References

- 1) Deshpande R.S. (1974) Modern Ideal Homes of India. United Book Corporation
- 2) Faulkner S. (1979) Planning a House, Holt
- 3) Agan T. The House and its Plan and Use

- 4) Ball Victoria Kloss. The Art of Interior Design. McMillan & Co. New York
- 5) Bhatt P.D. and Goenka S. (1999) Foundation of Arts and Design. Lakhani Book Depot, Bombay

Semester-II**Subject code : 121HT51****Household Technology**

- Objectives :** After completion of course students will be able to
- sensitize indigenous, existing technologies in areas of Home Science
 - develop skill in preparing models of various sustainable technologies

Theory**Unit 1 : Concept of Household Technology**

- 1.1 Need and importance for empowerment and sustainable development
- 1.2 Indigenous household technologies in various discipline of Home Science

Unit 2 : Energy Saving Technology

- Principles, working and application of-
- Solar : cooker, lamp, water heater, dryer etc.
- Biogas, Zero Energy Cool Chamber, Smokeless chulha, Rural refrigerator
- Hay box, Icmic and Sarai Cookers,
- Coal from household waste

Unit 3 : Water Conservation Technology

- 3.1 Rain water harvesting technology
- 3.2 Water recycling and recharging technologies
- 3.3 Water purification technologies

Unit 4 : Waste Management Technology

- 4.1 Technologies for degradable waste of Vermicomposting, organic composting etc.
- 4.2 Technologies for non-degradable waste, Principles of non degradable waste management

Unit 5 : Existing Technologies in following areas

- 5.1 Resources Management
- 5.2 Food and Nutrition
- 5.3 Textiles and Clothing
- 5.4 Human Development
- 5.5 Communication and Extension

Practicals

- 1) Preparation of vermin-wash, vermiculture, vermicompost.
- 2) Construction of chulha, Zero Energy Cool Chamber, Soak pit
- 3) Preparation of Hay box
- 4) Preparation of water conservation and purification models
- 5) Visit to centres and houses to study technologies
(Prepare reports on said technologies)

References

- 1) Publications of Centre of Science for villages, Wardha
- 2) Publications of ARATI, Pune
- 3) Publications of Ministry of Non-conventional Energy Source
- 4) Publications of Ministry of Environment and Forest, New Delhi

Semester-II
Subject Code : 121CA52

Communication Approaches in Resource Management

Objectives : After completion of course students will be enable to

- understand application of communication approaches in communicating the messages in resource development to different target group.
- develop skill of preparation of tools of communication.

Theory**Unit 1 : Approaches of Communication in Extension**

- 1.1 Traditional Approach ó Folk media
- 1.2 Modern Approach ó Participatory, Analytical, Dialogue, Persuasive and Educational games.
- 1.3 Modified Approach ó Combination of traditional and modern approaches for resource development

Unit 2 : Methods of Communication

- 2.1 Individual communication
- 2.2 Group communication
- 2.3 Mass communication
- 2.4 Planning and preparation of communication

Unit 3 : Projected tools of communication

- 3.1 Transparencies for OHP
- 3.2 Soft copies of presentation for computer and computer aided (DLP) projectors
- 3.3 Preparation and presentation of projected tools

Unit 4 : Non projected tools of communication

- 4.1 Models ó Working and still
- 4.2 Print media ó Leaflets, folders, poster, charts, flash cards, news letter, circular letter, bulletin
- 4.3 Preparation and presentation of non projected tools

Unit 5 :

- 5.1 Themes and messages ó concept
 - Themes and messages for resource development
- 5.2 Strategies in resource development
 - Individual
 - Community
 - Presentation of the operation of strategies

Practicals

- 1) Study existing communication tools of resource development
- 2) Identify themes in resource development and prepare, present and evaluate following projected and non projected tools.
(Any two from projected and two from non projected)
Posters, Banners, Slogans, Charts, Flash cards, Folders, Leaflets, Educational games, Transparencies, CD, Script for radio and TV.

References

- 1) Maan, Gurmeet Singh (1987) The Story of Mass Communication : An Indian Perspective. New Delhi, Harnam Publishers.
- 2) Tiwari I.P. (1987) Communication Technology and Development. New Delhi, Ministry of Information and Broadcasting.
- 3) Sharma S.C. (1987) Media Communication and Development. Jaipur, Rawat Publishers.
- 4) Gamble M.W. and Gamble T.K. (1989) Introducing Mass Communication. IInd Ed. New York, MaGraw Hill Book.
- 5) Day P.R. (1977) Methods of Learning Communication Skills. Oxford, Peragamon.
- 6) Hartman, Paul and others (1986) The Mass Media and the Village Life : An Indian Study. New Delhi, Sage Publication.
- 7) Melkote S.R. (1991) Communication for Development in Third World : Theory and Practice. New Delhi, Sage.

- 8) Bhatnagar S. and Satyapal A. (eds.) (1988) education and Communication Technology : Perspective, Planning and Implementation. New Delhi.
- 9) Scott B. (1986) The Skills of Communication. Aldershot Gower Press.
- 10) Joshi P.C. (1989) Culture Communication and Social Change. New Delhi, Vikas Publications.
- 11) Mahajan K. (1990) Communication and Society. New Delhi, Classical Publications.

Semester-II

Subject code : 121ED53

Entrepreneurship Development

Objectives :

- To promote entrepreneurial skills amongst students
- To analyse the environment related to small scale industry and business
- To understand the process and procedure of setting small enterprises
- To develop managerial skills for entrepreneurship development

Theory

Unit 1 : Entrepreneurship

- 1.1 Definition, concept and characteristics.
- 1.2 Entrepreneurship development in India.
- 1.3 Role of enterprise in national and global economy.
- 1.4 Government policies and schemes for enterprise development.
- 1.5 Development of women entrepreneurs in India and problems faced by women entrepreneurs.

Unit 2 : Agencies for Development of Entrepreneurship

- 2.1 Role of SSI, Procedure and formalities for setting up SSI.
- 2.2 Role of MIDC in Industrial development
- 2.3 Role of NSIC ó supply of machinery and equipments on hire purchase, or voluntary organization, Bank loan

Unit 3 : Personal Effectiveness

- 3.1 Factors affecting entrepreneurs role
- 3.2 Effective communication skills, achievements. Motivation, goal orientation, psychological barriers to self employment, creativity, assertiveness and quick response.

Unit 4 : Launching and organizing enterprise

- 4.1 Environment scanning ó Information, sources, schemes of assistance, problems. Enterprise selection, market assessment, enterprise feasibility study, SWOT analysis.
- 4.2 Resource mobilization ó Finance, Technology, raw materials, sight and man power. Costing and marketing management and quality control. Feedback, monitoring and evaluation.

Unit 5 :

- 5.1 Planning resource mobilization and implementation. Preparing project proposal to start a new enterprise and feasibility report.

Practicals

- 1) Enlist entrepreneurial opportunities in Resource Management.
- 2) Select any one enterprise, do SWOT analysis and suggest strategies for action.
- 3) Visit to funding agencies offices for understanding the formalities required for registration and licence entrepreneurs.
- 4) Prepare and use the business game for development of entrepreneurial qualities.

References

- 1) Patel V.C. (1987) Women Entrepreneurship, Developing New Entrepreneurs, Ahmedabad, Ed. II
- 2) Akhaury M.M.P. (1990) Entrepreneurship for Women in India. NIES BUD, New Delhi
- 3) Deshpande M.V. (1984) Entrepreneurship for small scale industries, concept, growth and management. Deep and Deep Publication, D-1/24, R-Garden, New Delhi (Unit I and II)
- 4) M.Gangadharrao ó Entrepreneurship and Entrepreneur Development. Publishing House, Kanishka, New Delhi, 1992
- 5) Vasant Desai (1991) Entrepreneurship Development. Himalaya Publishing House, Vol. I, II and III
- 6) Samiuddei (1989) Entrepreneurship Development in India. Mittal Publication, New Delhi
- 7) B.K. Acharya & Gonekar P.B. Marketing and Sales Management, Himalaya Publishing House, Bombay
- 8) John Usha (1985) Indian Women in Business. Indian and Foreign Review 18(4)

Semester-II**Subject code : 121RM54****Research Methods in Resource Management****Objectives :** After completion of course students will be able to

- know importance of research in resource management
- understand the types, tools applicable to research problem
- develop skills of preparing out line of research work

Theory**Unit 1 : Foundation of Scientific Research**

- 1.1 Research ó meaning and definition
- 1.2 Need of research in resource management
- 1.3 Research process
 - Selection and formulation of research problem
 - Specifying objectives
 - Formulating hypothesis
 - Deciding variables

Unit 2 : Design Strategies in Research

- 2.1 Descriptive studies
 - Correlation studies
 - Case studies
 - Cross sectional/Survey
- 2.2 Analytical studies
 - Observational studies
 - Cohort studies
 - Cross sectional studies/Survey

Unit 3 : Methods of Sampling

- 3.1 Characteristics of good sampling
- 3.2 Probability or random sampling
- 3.3 Non probability sampling

Unit 4 : Research Tools

- 4.1 Levels of data measurements and characteristics of good measurement
- 4.2 Types of tools and their uses
 - Questionnaire
 - Schedule
 - Rating scale
 - Attitude scale
 - Interview ó structured and unstructured
 - Observation ó participant and non participant

4.3 Concept of data

- Types of Data ó Qualitative and Quantitative data
- Analysis of Data ó Qualitative and Quantitative data analysis

Unit 5 : Statistical Testing of Hypothesis

5.1 Application of parametric tests

- r test
- t tests
- Z test
- F test
- ANOVA

5.2 Application of non parametric tests

- Chi square test
- Spearmanø Rank correlation

Practicals

- 1) List research areas in resource management
- 2) Prepare synopsis/outline of dissertation work
 - Select problem for dissertation from literature/research, experiences of guide & teachers, and experiment/pilot study.
 - Find out key words, their meaning and definitions from dictionary and encyclopedias.
 - Design conceptual model of the study.
 - Collect review on selected variables from national and international journals and prepare note cards and reference cards (follow the rules of scientific writing)
 - Decide and prepare tools of measurement of variables
 - Specify objectives
 - Frame hypothesis
 - Select locale of the study
 - Decide sample size and sampling techniques
 - Decide applicable statistical tests
- 3) Conduct pilot study for calculating validity, reliability and usability of the tools.
- 4) Prepare master table for analysis
- 5) Prepare time schedule and note down facilities required for dissertation work.

References

- 1) Van Maanen (1983) Qualitative Methodology. Sage Publication

- 2) Sumati Mulay and Sabarathanam V.E. (1980) Research Methods in Extension Education. New Delhi, Sole Selling Agents, MANASHYAN, 32.
- 3) Bryman A. and Cramer D. (1994) Quantitative Data Analysis for Social Scientist
- 4) Aravindra Chandra and Saxena T.P. Style Manual for Writing : Thesis, Dissertations and Papers in Social Sciences. New Delhi, Metropolitan Book Co. Pvt. Ltd.
- 5) Kerlinger, Foundation of Educational Research
- 6) Ingle P.O. Scientific Report Writing. Nagpur, Sarla P. Ingle.

(Note : The syllabi for General Interest Course shall be as per Science faculty.)

**Syllabus Prescribed for M.Sc. (Home Science) (Resource Management)
Semester-III & Semester-IV
(Implemented from the Academic Session 2011-12)**

Semester-III

Subject Code : 231ER55

Ergonomics

Learning Objectives :- To become aware of the role of ergonomics in work effectiveness and efficiency.

Practicals :

- (1) Use of instruments employed in ergonomic research.
 - Treadmill, step stool
 - Heart rate monitor, ECG, Lung function test.
 - Noise level meter
 - sphygmomanometer
 - Height & weight measuring instruments.
 - Heart rate and oxygen consumption.
- (2) Determination of workload using heart rate and oxygen consumption.
 - Treadmill.
 - Step stool.
- (3) Determination of workload of some selected household activities by using-
 - Pulse rate techniques.
 - Time and motion study.
 - Physiological cost.

- Energy cost.
 - Cardiac cost.
 - Temporal cost.
- (4) Identifying types of postures assumed by women during work, analysis and interpretation.
 - (5) Measurement of noise using noise level meter for various situations in home, office and traffic situation.
 - (6) Determining the relationship of anthropometric dimensions of workers with space requirements for some selected activities. e.g; cooking, chopping, washing etc.

References :-

- (1) Astram P.O. and Radahi K. : Textbook of Work Physiology, McGraw Hill, New York.
- (2) Davies D.R. and Shakleton V.J. : Physiology of work, Motunen & Co. Ltd.
- (3) Osborne David : Ergonomics at work, John Wiley and sons, New York.
- (4) Dul Jan and Weedmeester Bernard : Ergonomics for Beginners, Tylor and Francis, London.
- (5) Wilson J.R. and Corlett N. : Evaluation of Human Work. A Practical Ergonomics Methodology. Tylor and Francis, London.
- (6) Pheasant Stephan : Body space, Anthropometry, Ergonomics and the Designs at work, Tylor & Francis, London.

Semester-III

Subject Code : 231FM56

Financial Management

Learning Objectives: - After completion of the course students will be able to-
(1) to make a wise use of money.

- (2) develop an appreciation of role of successful financial management satisfying family living..

Practicals :

- (1) Prepare month wise cash budget for showing expected income / expenses / balance or deficit.
- (2) Prepare cash budget for various events.
- (3) Pass journal entries for income and expenses of event, open accounts and prepare accounts to show profit.
- (4) Accounting on tally software.
- (5) Bank transactions.

- (6) Preparing business project filing different types of loan case with bank.

References :

- (1) Gross, Cranall and Knoli (1980) : Management for Modern Families, 3rd Edition Prentice Hall, INC, New Delhi.
- (2) Mickell P. and Dorsey (1986) : Management in Family Living, 4th Edition, Wiley Eastern Ltd., New Delhi.
- (3) Vidya Bhushan Sachdeva (1991) : Introduction to Sociology, Kitab Mahal (Unit-I).

Semester-III

231ELI57 : Elective-I

Subject Code : 231ELI.1

Home Event Management

Learning Objectives :- After completion of the course students will be able to-

- (1) understand the managerial and operational aspects pertaining to home event.
- (2) provide opportunity to develop practical event management skill.

Course Contents :

Theory :

Unit-1 :

- 1.1 Introduction to Home Event Management.
 - Meaning
 - Definition.
- 1.2 Types of Events
 - Cultural events.
 - Festival events.
 - Religious events.

Unit-2 : Event Planning :

- 2.1 Role of event manager.
- 2.2 Responsibilities of event manager.
- 2.3 Resources required for event organization.
- 2.4 Contingency planning.

Unit-3 : Coordinating Events :

- 3.1 Developing concept of events.
- 3.2 Preparing effective event organizational chart.
- 3.3 Coordinating various activities of events.

Unit-4 : Event Budget Planning :

- 4.1 Advantages and constraints of using a budget.
- 4.2 Identifying key elements of budgetary control.

- 4.3 Forecasting expenditure.

Unit-5 : Event Evaluation and Reporting :

- 5.1 Different types of evaluation techniques.
- 5.2 Evaluation of the event.
- 5.3 Report of the event.

Practicals :-

- (1) Arranging a party event at home.
 - Celebration party.
 - Birthday party.
 - Anniversary party.
- (2) Wedding Event Planning with respect to following and prepare a report.
 - Budget
 - Wedding Ceremony.
 - Reception.
 - Venue sourcing.
 - Supplier sourcing.
 - Logistics.

References :-

- (1) Business Communication by Dr.V.K.Jain and Dr.Om Prakash Biyani, S.Chand and Company.
- (2) Business Communication by Urmila Rai and S.M.Rai, Himalay Publishing Hosue.
- (3) Organization Behaviour by Robin S.P., Prentice Hall of India, New Delhi.
- (4) Organization Behaviour by Luthans F., Mc Graw Hill.
- (5) Marketing Management, 13th edition, by Philip Kotler and Kevin Keller
- (6) Project Management by S.Chaudhary.
- (7) Project Management by P.Chandra.
- (8) Project Management by Kumar and Ghosh.

Semester-III

231ELI57 : Elective-I

Subject Code : 231ELI.2

Home Furnishing

Learning Objectives :- After completion of the course students will be able to-

- (1) know the home furnishing ó
- (2) develop skill in home furnishing.

Course Contents :**Theory :****Unit-1** : Home Furnishing.

- Meaning
- Definition
- Concept
- Styles ó traditional, modern
- Theme ó easy way to start furnishing.

Unit-2 : Home Furniture.

- Living room furniture.
- Bed room furniture.
- Kitchen furniture.
- Antique furniture.

Unit-3 : Linen.

- Kitchen Linen ó Apron, dish towel, kitchen towel, napkins, pot holders.
- Bath linen ó Bath mats, bathrobes, shower curtains, handkerchiefs.
- Table linen ó Table mats, table runner, tea cozy.

Unit-4 :

- 4.1 Carpets, floor coverings.
- 4.2 Cushions, pillow cover, bed cover.
- 4.3 Curtains, wall hangings.

Unit-5 : Home Decor Articles :

- Handicrafts and decorative imports.
- Laces and ribbons.
- Lamps and accessories.

Practicals :-

- (1) Design Living room furniture with traditional style.
- (2) Prepare home decor articles.
- (3) Design different types of curtains.
- (4) Report on home furnishings for small flat.

References :-

- Again Tessie (1970) : The house, its plan and use, Oxford and IBH Publishing. Co.
- Conran Trence (1982) :The House Book, Crown Publishers, New York, Reprint (1986).

Semester-III**231ELI57 : Elective-I****Subject Code : 231ELI.3****Front Office Operation and Accommodation**

Learning Objectives: - After completion of the course students will be able to-

- (1) understand the organizational procedures of the front office.
- (2) comprehend the principle of front office operation
- (3) develop effective communication skills and the art of dealing with people.

Course Contents:**Theory:****Unit-1** : Introductions.

- Importance of the hospitality industry and its relation to tourism
- Classification of hotels
- Major departments in a hotel
- Room rates, tariff structure and basic of charging

Unit-2 : Hotel guests

- Types of hotel guests
- Guests and their needs
- Interaction between guests and front office personal

Unit-3 : Front office operation and organization

- Duties of front office personal
- Basic terminology used in the front office
- Organizational structure of front office

Unit-4 : Reservations for accommodation

- Modes of room reservation
- System of room reservation
- Filing system

Unit-5 : Receptions

- Expected arrival and departure list
- Key handling and control
- Room status reports occupying percentage
- Preparing room report night clerk report

Practical:-

- (1) Handling of reception
 - Room keys
 - Telephone manners and conversation

- (2) Reservation
 - Accepting reservation with the use of conventional chart ,density chart
- (3) Handling complaints and unusual events
- (4) Receiving guests in various situations
 - Confirmed booking with reservation
 - group booking
 - VIP procedure
- (5) Handling change of room procedure, wake up calls, guests requests

References :-

- (1) Andrews, S.(1982) Hotel front office training manual, TATA McGraw trill
- (2) Beavis, J.R. Medlik, S(1985) A manual of hotel reception,3rd edition un manna
- (3) Dix C (1979) Accommodation operations front office Mc Donaldø and Evans Ltd.

Semester-III**231ELII58 : Elective-II****Subject Code : 231ELII.1****Community Event Management**

Learning Objectives: - After completion of the course students will be able to-

- (1) understand the managerial and operational aspects pertaining to community event.
- (2) provide opportunity to develop practical event management skills

Course Contents:**Theory:****Unit-1 :**

- 1.1 Introductions to community management .
 - Meaning
 - Definition
 - Concept
 - Types of events

Unit-2 :

- 2.1 Event ó Legal and Risk management.
 - Obtaining event insurance
 - Managing health and safety
 - Event risk assessment

- Unit-3 :** 3.1 organizing conferences a community event
- Determine conference goals and objectives
 - Choosing conference sites and locations
 - Working to a budget with goal to earn a profit

- Unit-4 :** 4.1 Fund raising events
- Establish a budget and earning target for the event
 - Goals and objectives
 - Generating sponsorship support
 - Choosing sites and locations
 - Working to a budget

- Unit-5 :** 5.1 Government civic and political events
- Major social and political events
 - Managing VIPø
 - Developing major political events
 - Understanding protocol working with the proves

Practical:-

- (1) Develop marketing and sponsorship strategy that reflects the targets and requirements of the event
- (2) Prepare a sponsorship proposals that illustrates the benefits of the event

Semester-III**231ELII58 : Elective-II****Subject Code : 231ELII.2****Household Equipment****Course Contents :****Theory :****Unit-1 :**

- 1.1 Basic Study of Electricity :
 - Power sources, voltage, resistance, current.
 - Series/parallel circuits.
 - AC/Dc sources.
- 1.2 Electrical Materials :
 - Conductors
 - Semi conductor
 - Insulator

Unit-2 : Classification of Appliances :

- 2.1 Class I, II and III appliances.
- 2.2 Motorized, heating, electronic and low voltage appliances.

Unit-3 : Product Testing for Quality :

- 3.1 Need for testing.
- 3.2 Types of tests ó saltey test, environmental test, physical test, electrical endurance and performance test.
- 3.3 Equipments required for testing of electrical appliances.
- 3.4 Institutions offering test facilities ó BIS, IDEMI, RTC, ER RL, PTH, NTH, etc.

Unit-4 : Safety against household appliances :

- 4.1 Definition of safety and classification of safety- Inherent, technical safety, operational sefty, actual safety.
- 4.2 Electrical shock and its prevention:
 - Potential source of shock.
 - Causes of electrical shock.
 - Factors determining the severity of electric shock.
 - Protection against shocks.

Unit-5 : Laws and Regulations Governing Appliances :

- 5.1 Household electrical appliance (Quality Control Order) 1981.
- 5.2 The electrical wires, cables appliances and accessories (Quality Control) Order 1993.
 - Essential Commodities Act.
 - Consumer Protection Act.
 - Indian Electricity Act.

Practicals :-

- (1) Testing of electric iron as per the 151366 : 1993 tests.
 - Input test.
 - Insulation and leakage current test
 - Measurement of heating up time.
 - Measurement of temperature distribution.
 - Measurement of cyclic fluctuation.
 - Temperature of different frabic setting.
 - Earthing provision test.
- (2) Testing of Electric Toaster as per the IS2 367>>1979
 - Input test.
 - Insulation and leakage current test
 - High voltage test.
 - temperature rise test.
 - Performance test.
- (3) Testing of Electric Oven as per the IS7 5790I
 - Input test.
 - Insulation and leakage current test
 - High voltage test.
 - Performance test.

- (4) Testing of Electric Food Mixers as per the ISI 4250 : 1989
 - Starting test.
 - Input test.
 - Insulation and leakage current test
 - High voltage test.
 - Performance test.
- (5) Testing of Domestic Washing Machine as per the IS\$ 6390s 1983.
 - Starting test.
 - Input test.
 - Insulation and leakage current test
 - High voltage test.
 - Performance test.
- (6) Testing of vacuum cleaner as per the IS7 5790I
 - Input test.
 - Insulation and leakage current test
 - High voltage test.
 - Performance test.
- (7) Testing of Domestic Refridgerator as per the IS : 1476 : 1979
 - Door seal test.
 - Input test.
 - Insulation and leakage current test
 - Performance test.
- (8) Study of non electrical household appliances ó Solar Cooker, Water purifier, Gas stove etc.
- (9) Visit to the market for knowing the recent trends in household appliances.

References :-

- (1) Allison, A : Running your Home and Equipments : Desings for living series No.6, Mills and Boon Ltd. London.
- (2) Beverodge E. : Choosing and using your Home Equipments, Iovva State University Press, Ames.
- (3) Anderson, E., Andels, P. : Home Appliances Servicing, Taraporewala Sons, Co.Ltd. Bombay.
- (4) NCERT : Exemplar Instructional material for Pre Vocational Course under work experiences on repair and maintenance of household electrical appliances ó Instructional cum practical manual, NCERT, New Delhi.
- (5) Varghese M.A. et al : Household Equipment Manual, SNDT Womenø University, Mumbai.

Semester-III
231ELII58 : Elective-II

Subject Code : 231ELII.3
Food Service Management

Learning Objectives :- After completion of the course the students will be able to-

- (1) familiarize with different needs and jobs of food service department and their management.
- (2) learn details of management of each job.

Course Contents :

Theory :

Unit-1 :

- 1.1 Aims and objectives of service.
- 1.2 Scope of catering in hotel industry.

Unit-2 : Introduction to basic equipments for the service care and use of special equipments for the service.

Unit-3 :

- 3.1 Arrangement and preparation for tables.
- 3.2 Laying of table cloth and changing.

Unit-4 : Types of menus, courses of menu, preparation of menus, taking orders, methods of service of food and beverage, presentation of bills.

Unit-5 :

- 5.1 Different food and beverage outlet.
- 5.2 Staff organization of different outlets.
- 5.3 Personnel departments.

Practical :-

- (1) Field visit to different hotels.
- (2) Laying the table for breakfast, lunch and dinner.
- (3) Serving of food and beverages.
- (4) Writing of menu cards.
- (5) Order taking, making out check bills, presentation of bills.
- (6) Upkeep and cleaning of cattery, crockery, other equipments.

References :-

- (1) John Fuller (1987) : Modern Restaurent Service, London Hut Chinson.
- (2) Kazzariah Edward (1989) : Food Service Facilities Planning, 3rd Edition, New York, Van Norstand Rainhold.
- (3) Scriven Carl, R. and Stevons Vamao, W. (1989) : A manual of equipment and design for the food service industry, New York Van Norstand.

Semester-III
231ELIII59 : Elective-III

Subject Code : 231ELIII.1
Institutional Event Management

Learning Objectives :- After completion of the course the students will be able to-

- (1) understand the managerial and operational aspects pertaining to institutional management.
- (2) provide an oppourtunity to develop practical event management skills..

Course Contents :

Theory :

Unit-1 : Introduction to Institutional Event Management.

- Meaning,
- Definition
- Concept.

Unit-2 : Types of Institutional Events.

- Event of Social Institutions.
- Event of Educational Institutions.
- Event of Religious Institutions.
- Event of Charitable Institutions.

Unit-3 : SWOT Analysis.

- Preparing a swot analysis to identify the vulnerable and promotional elements of the event.

Unit-4 : Concept of Marketing the Events.

- Needs and motivation of the event.
- The market research process.
- Collection and analysis of market data.
- Reporting the findings of the event.

Unit-5 : Corporate Event Management :

- Major impacts which events have on their stakeholders.
- Organizing global and corporate events.
- Corporate events types.
- Managing important corporate events.

Practicals :-

- (1) Write an event plan to understand how to present the concept and overall plan of the event.
- (2) Prepare a post event evaluation report that outlines all successes and challenges of the event.
- (3) Design a corporate event to understand specific requirements of this sector.

References :-

- (1) Business Communication by Dr.V.K.Jain and Dr.Om Prakash Biyani, S.Chand and Company.
- (2) Business Communication by Urmila Rai and S.M.Rai, Himalay Publishing Hosue.
- (3) Organization Behaviour by Robin S.P., Prentice Hall of India, New Delhi.
- (4) Organization Behaviour by Luthans F., Mc Graw Hill.
- (5) Marketing Management, 13th edition, by Philip Kotler and Kevin Keller

Semester-III**231ELIII59 : Elective-III****Subject Code : 231ELIII.2****House Keeping and Facility Management****Learning Objectives:** - After completion of the course students will be able to-

- (1) become aware of different areas and functions of house keeping department.
- (2) develop and acquire skills in house keeping activities
- (3) acquire knowledge regarding procedures for maintenance of rooms

Course Contents:**Theory:****Unit-1** : House keeping

- Introduction and importance of hospitality
- Organization of house keeping department
- Duties and responsibilities of hose keeping staff

Unit-2 : cleaning activity

- Cleaning agents ó Selection and use for different surfaces
- Cleaning equipments ó Selection and care, maintenance
- Cleaning Techniques ó Sweeping, dry and wet mopping , vacuum cleaning , spray claning

Unit-3 : Uniforms

- Types of uniform
- Selection of uniforms
- Distribution and control

Unit-4 : Furniture

- Types of Furniture
- Furniture management
- Types of Furniture
- Accessories ó Various types and their place in interior decoration

Unit-5 : Soft furnishing

- Selection, care and maintenance of beds, mattresses and pillows, linen, blankets, slip cover, bed covers
- Carpets- Types of carpets and their selection
- Lightning - Types of lightning suitable for various activities

Practical :-

- (1) Cleaning and care of different materials
 - Metal, glass , wood
 - Floor, floor coverings , sinks
 - Fans, lampshades , decorative articles
- (2) Table setting and decoration
 - Formal, informal and buffet
 - Decoration ó Flower arrangement for dining table, fruit display
- (3) Stain removal
 - Tea, coffee, ink, grease , fruit , lipstick, blood, rust, turmeric, oil paint
- (4) Market survey on furnishing fabrics, bed covers, upholstery covers, carpets ,etc.

References:-

- (1) Andrew, Sudhir (1985) hotel house keeping ó training manual , TATA McGraw trill publishing clotted, New Delhi
- (2) Chakravarti, B. K. technical guide to hotel operation- Metropolitan book to put Ltd New Delhi.

Semester-III**231ELIII59 : Elective-III****Subject Code : 231ELIII.3****Travel Management****Learning Objectives:** - After completion of the course students will be able to-

- (1) develop an awareness about tourism and its scope in India.
- (2) understand about various aspects of tourism and to develop various skills required for this trade.

Course Contents:**Theory:****Unit-1** : Introduction

- Meaning and nature of tourism.
- Basic components of tourism.

Unit-2 : Growth and development Tourism :

- Growth of travel through ages.
- Factors influencing growth of tourism.
- Basic travel motivations.

Unit-3 : Tourism Planning and Development.

- Planning and Coordination in Planning.
- Assessment of tourist demand and supply.
- Financial and Human resource planning.
- Monitoring progress.

Unit-4 : Tourism Marketing and Promotion.

- Marketing tourism.
- Tourist markets.
- Advertising and sales support.
- Publishing.

Unit-5 : International and National Organizations in Tourism :

- IUOTO, WTO, PATA, ITDC, RTDC etc.

Practical : Visit to different travel agencies.

References :-

- (1) A.K.Bhatia (1983) : Tourism Development : Principles and Practices, 2nd Edition, Stealing Publishing Co., New Delhi.
- (2) Dr.S.P.Gupta and Lal (1994) : Tourism Museum and Monuments in India, Oriental Publisher, Delhi.

Semester-IV

Subject Code : 241RI60

Resource Informatics

Learning Objectives :-

- (1) To develop skill in data base management.

Course Contents :

Theory :

Unit-1 :

- 1.1 Resource informatics.
- 1.2 Meaning and purpose.
- 1.3 Areas of Resource Management.

Unit-2 :

- 2.1 Important search engines.
- 2.2 Database in human and non-human resources, interior designing, consumer studies and management of family and organizations.

Unit-3 : Database collection and organization in resource management.

Unit-4 : Data storage and distribution by using various information technology tools and methods.

Unit-5 :

5.1 Data Management System.

5.2 Application of software.

Practical :-

- (1) Study of various data bases in the subject.
- (2) Data researching.
- (3) Data retrieval.
- (4) Create data with the help of software.

References :-

- (1) www.wikipedia.org.
- (2) www.google.com
- (3) www.khoj.com
- (4) www.nutra.hub.com
- (5) www.wiley.com
- (6) www.inflibnet.ac.in
- (7) www.pubmed.com

Semester-IV

Subject Code : 241CI61

Current Issues and Trends in Resource Management

Learning Objectives :-

- (1) To create awareness regarding current trends, issued and researches in various aspects of resource management of families and organizations.
- (2) To debate an various emerging areas of studies and research needs for resource management.

Course Contents :

Theory :

Unit-1 :

- 1.1 Socio-economic environment impact on families and organization.
- 1.2 Environmental issues ó Women and environment.

Unit-2 :

- 2.1 Consumer issues ó Foreign direct investment privatization.
- 2.2 Entrepreneurship management.

Unit-3 :

- 3.1 Equipment Design - Standards, quality control.
- 3.2 Trends and Issues Housing related to interior designing.

Unit-4 :

- 4.1 Water conservation technology.
- 4.2 Fuel Technology ó New thrusts.

Unit-5 :

- 5.1 Quality Management.
- 5.2 Human Resource Planning and Audit.

Practical :- Study current trends and issues and researches in resource management by current reading, surveys, brain storming, group discussion, debate and do the presentations on various assigned topics.

References :-

- (1) The Indian Journal of Home Science.
- (2) The Journal of Home and Community Science (Kamla Raj New Delhi).
- (3) Rai, G.D. (1996) ó Non Conventional Energy, Khanna Publishers, New York.
- (4) Agrawal M.P. (1985), solar Energy, S.Chand & Co., New Delhi.
- (5) Varghese, M.A. (1985), Household Equipment Manual, SNDT Women's University, Mumbai.
- (6) Seetharaman, P. and Sethi M. (2001) : Consumerism : Strategies and Tactics, CBS Publishers and Distributors, New Delhi.
- (7) Rangwala S.C. (1992), Water Supply and Sanitary, Engineering Charofar Publishing House, Anand.
- (8) Deshpande R.S. (1974), Modern Ideal Home for India, United Book Corporation.

Subject Code : 241SW62**Scientific Writing**

Objective - After completing course students will be able to understand national / international standards of scientific writing and develop skill of writing research reports.

Unit 1 : Introduction to Scientific Writing

- 1.1 Meaning, definition
- 1.2 Characteristics and Principles
- 1.3 Types of report
- 1.4 Format of report
- 1.5 National and international standards

- 1.6 Lay out of thesis / dissertation :- Preliminaries, Text, End Matter

Unit 2 : Writing preliminaries

- 2.1 Title page, Title of dissertation / thesis.
- 2.2 Certificates : Declaration by students certificate of guide
- 2.3 Acknowledgement
- 2.4 Table of content - list of Table, list of Figure
- 2.5 Glossary / Abbreviation / Aoronym

Unit 3 : Writing Text / Main Body

- 3.1 Writing introduction
- 3.2 Writing Review of Literature
- 3.3 Writing Methodology Material and Methods
- 3.4 Writing Results
- 3.5 Writing Discussion
- 3.6 Writing Summary, Conclusion and Implication

Unit 4 : Writing End Matter

- 4.1 Writing References / Literature cited
 - Books
 - Journal / Periodical
 - Websites
 - Magazines, newspaper
- 4.2 Appendices

Unit 5 : General Guidelines

- 5.1 Size of paper, margin, font type and size
 - Headings and Subheadings
 - Number of chapters and pagination
 - Punctuations.
- 5.2 Evaluating structure of dissertation / thesis

Practicals :

1. Use of Library -
Get acquainted with the-
 - Type of Library (Traditional, modern, digital, virtual)
 - Services provided by Libraries
 - Various sources (Printed and electronic)
 - Technical work (classification, cataloguing)
 - Information retrieval (i.e. OPAC, WEBOPAC, SOUL, Library Portal, e-books etc.)
2. Practice of writing references on reference cards and notes on note cards from different sources.
3. Review, understand and critically evaluate.
 - Thesis
 - Dissertation

- Abstract

References :

- 1) Arvindra Chandra and T.P. Saxena, 1979. Style manual for writing Thesis, Dissertation and papers in Social Sciences, New Delhi, Metropolitan Book Co. Pvt.Ltd.,
- 2) Ingle, P.O. 2002. Scientific and Technical Report writing, Nagpur, Sarala Ingle.
- 3) Kothari, C.R. 1996. Research Methodology - Methods and Techniques, New Delhi. Vishwa Prakashan.
- 4) Best John W. and Kahn James V., 1989. Research in Education, New Delhi, Prentice Hall of India Private Limited.
