

**ST. TERESA'S COLLEGE
(AUTONOMOUS)
ERNAKULAM**



**CURRICULUM FOR
MASTER'S PROGRAMME IN
RESOURCE MANAGEMENT
AND**

INTERIOR DESIGNING

Under Credit & Semester System

(2014 Admissions)

FOREWORD

The higher education environment is changing rapidly in India, and particularly so in the year 2014-15, when the government of Kerala decided to give autonomy to thirteen educational institutions in the state, with the aim of improving quality. Quality in higher education has been a matter of high concern and priority in India especially after the National Policy on Education, 1986 has very categorically questioned the impact of education and suggested many measures for bringing innovative practices in education.

St.Teresa's College, Ernakulam has been sanctioned autonomy vide UGC letter No.f.22-1-2014 (AC) dated 19/6/2014. The college has decided to function as autonomous from the academic year 2014-15.

The academic year 2014 - 15 will follow the same syllabus and guidelines as per MG University.

PROGRAMME STRUCTURE

**(BASED ON MAHATMA GANDHI UNIVERSITY REGULATIONS FOR THE CONDUCT
OF POST GRADUATE PROGRAMMES IN AFFILIATED COLLEGES)**

1. All the Post Graduate programme in Home Science will comprise of four semesters. Each semester will have 90 working days, inclusive of examination, distributed over a minimum of 18 weeks of 5 working days each.

2. GENERAL SCHEME OF THE SYLLABI:

The programme will include two types of courses, Programme Core (PC) courses and Programme Elective (PE) Courses. There shall be a Program Project (PP) with dissertation to be undertaken by all students. The programme will include assignments, seminars and practical viva .There shall be various elective courses for a programme for the choice of students subject to the availability of faculty and infrastructure in the institution. There will be 5 papers in each semester. The papers in the first three semesters will constitute the core element and the papers in the final semester will be the optional component, which can vary from college to college.

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**PG PROGRAMME IN HOME SCIENCE (B) –
RESOURCE MANAGEMENT AND INTERIOR DESIGNING
COURSE STRUCTURE AND CREDIT
TOTAL CREDITS – 80**

SEMESTER	COURSE	TEACHING HOURS / WEEK	TEACHING HOURS / SEM	CREDIT	TOTAL CREDITS
I	PC – 1	5	90	4	18
	PC – 2	5	90	4	
	PC – 3	5	90	4	
	PC – 4	5	90	4	
	PRACTICAL	5	90	2	
II	PC – 5	5	90	4	18
	PC - 6	5	90	4	
	PC - 7	5	90	4	
	PC - 8	5	90	4	
	PRACTICAL	5	90	2	
III	PC – 9	5	90	4	18
	PC - 10	5	90	4	
	PC - 11	5	90	4	
	PC - 12	5	90	4	
	PRACTICAL	5	90	2	

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IV	PE	5	90	4	26
	PE	5	90	4	
	PE	5	90	4	
	PE	4	72	4	
	PRACTICAL	6	108	3	
	DISSERTATION	-		4	
	VIVA - VOCE	-		3	
			1800	80	

COURSE CODE:

Each course will have an alpha numeric code number which includes first two letters indicating the abbreviation of the subject in two letters, the second two letters denotes specialization area, the semester number, the code of the course and the serial number of the course (C-Programme Core Course, E- Programme Elective Course, P- Practical and D- Project with Dissertation).ie.HS indicates Home Science, next two letters denotes specialization (eg. DF for dietetics and food service management) next the semester number(1,2,3 or 4),CT for core theory,CP for core practicals,ET for elective theory ,EP for elective practical and then the course number (01,02 etc.). Courses with credits and scheme of instructional hours for core and elective courses are given under each Programme according to the specialization.

3. EXAMINATIONS

The evaluation of each course shall contain two parts such as Internal or In-Semester Assessment (IA) and External or End-Semester Assessment (EA). There will be University Examinations at the end of each semester for both theory and Practical with duration of 3 hrs. Project evaluation and comprehensive Viva-voce shall be conducted at the end of the programme only. The ratio between internal and external examinations shall be 1:3.

4. EVALUATION AND GRADING

The internal and external examinations shall be evaluated using Direct Grading system based on a 5- point scale.

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Internal or In-Semester Assessment (IA) and End –semester Assessment (EA)

Internal evaluation is to be done by continuous assessments. The internal assessment grade awarded to the students in each course in a semester shall be published on the notice board at least one week before the commencement of external examination. The components of the internal and external evaluation for theory and practical and their weights are as below.

THEORY

IA = Total weight = 10

EA -Total weight - 30

Components.	Pattern of question paper
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a. Attendance*- weight =1

Attendance	Grade
≥ 90%	A
≥85 and < 90	B
≥ 80 and < 85	C
≥ 75and < 80	D
< 75	E

b. Assignment – Weight = 2

Components	Weight
Punctuality	1
Introduction	1
Content	2
Conclusion	1
Reference	1
General get up	1

One assignment as an internal component for every course. The topic for the assignment shall be allotted within 6th week of instruction.

Component	Weight
a. Punctuality	1
b. Topic & content	2
c. Presentation	3
d. Response to questions	1

c. Seminar – weight = 3

Expected to train the student in self-study, collection of relevant matter from the books and internet resources, editing, document writing, typing and presentation.

d. Tests- weight-4

At least two class tests as an internal component for every course with a weight two each. The weighted average shall be taken for awarding the grade for the class tes.

Section	Type	Weight	To Answer
A	Short answer type (within 1 page)	1	5 out of 8
B	Short essay/ Problem solving type (not exceeding 2pages)	2	5 out of 8
C	Long Essay Type questions	5	3 out of 6

*Total weight=5+10+15=30

*Ensure that questions covering all skills are set (Knowledge acquired, Standard application of knowledge, ability to synthesise knowledge)

*Conducted at the end of every semester and will be of 3 hrs duration.

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***Attendance:**

The attendance of students for each course shall be another component of internal assessment with weight one. The minimum requirement of aggregate attendance during a semester for appearing in the end semester examination shall be 75%. Condonation of shortage of attendance to a maximum of 10 days in a semester subject to a maximum of two times during the whole period of post graduate programme may be granted by the University.

If a student represents his/her institution, University, State or Nation in sports, NCC, NSS or Cultural or any other officially sponsored activities such as college union/ University union activities, he/she shall be eligible to claim the attendance for the actual number of days participated subject to a maximum of 10 days in a semester based on the specific recommendations of the Head of the department and Principal of the college concerned.

PRACTICAL

IA -Total weight=5

EA-Total weight=15

Components	Weight	Components	Weight
a. Attendance	1	Practical/Project/Record Each examination board can specify the components of practical / Project / Record and assign the weight according to their area of specialisation. c. Viva Voce Aspects -Knowledge of subject-3 -Communication Skill-1 -General Poise -1	10
b. Lab involvement	1		
c. Written/Lab Test	1		
d. Record	1		
e. Viva	1		
			5

The external examination of practical shall be conducted by the university at the end of each semester of three hours duration.

It can be done by one external and one internal examiner.

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PROJECT/DISSERTATION

IA –Total Weight=5

EA –Total Weight=15

Components	Weight	Components	Weight
1. Punctuality	1	a.Valuation of dissertation 1.Title (Clarity,brevity,originality)	1
2.Report	2	2.Introduction (presentation of problem, Relevance, applicability, definition of terms, objectives in general) 3.Review of Literature (Relevance, recent literature,Studies done in the field,organisation of materials) 4.Methodology (specific objectives, research design,Tool-appropriateness , preparation, standardisation, Sample-size, technique of Selection, statistical techniques for data analysis) 5.Results & Discussion (Presentation interpretation of results, Tables, figures, Descriptive or statistical analysis, interpretation of results with supportive evidences, Relationship of results with variables studied & with general body of knowledge) 6.Summary &Conclusion (Statement of problem, procedure Findings, conclusions, Recommendations) (in brief) 7.Bibliography/References Techniques of writing (consistentFormat-standard pattern, accuracy of reference reporting (text of thesis Vs bibliography) 8.General Get-up Absence of mistakes (typographical errors, grammer, omission of sentences, pagination, style & clarity) 9. Presentation/Viva-Voce Aspects -knowledge of the topic-2 -Clarity of presentation-1 -communication skill -1 -general poise -1	1 1 2 2 1 1 1 1 1 5
3.presentation	1	9. Presentation/Viva-Voce Aspects -knowledge of the topic-2 -Clarity of presentation-1 -communication skill -1 -general poise -1	1 1 1 1
4.Viva	1	9. Presentation/Viva-Voce Aspects -knowledge of the topic-2 -Clarity of presentation-1 -communication skill -1 -general poise -1	1 1 1 1

*Project work shall be completed working outside the teaching hours.

*It shall be carried out under the supervision of a teacher in the concerned department/in certain cases permitted to work on the project in an industrial/research organization on the recommendation of the supervisor.

*The external evaluation of the project work is followed by presentation of work including dissertation and Viva-Voce.

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*It shall be conducted by a Board of three examiners at the end of fourth semester. The Board shall have two external examiners and one internal examiner (the HoD or nominee) and can be scheduled by the chairman of the Board of Examiners.

COMPREHENSIVE VIVA-VOCE

I A -NIL

EA-Total Weight=20

	Components	Weight
No internal evaluation.	a.Knowledge of subject matter	16
	Aspects	
	-Knowledge from subject of interest	4
	-Knowledge on the fundamentals of the subject	4
	-Topics covering all semesters	6
	-Awareness of current and advanced topics connected with the subject	2
	b.Communication skill	2
c.General Poise	2	

- A team of external examiners will hold the same covering topics in the four semesters, giving equal weight.
- It shall be conducted by a Board of three examiners at the end of fourth semester .The Board shall have two external examiners and one internal examiner (the HOD or nominee) and can be scheduled by the chairman of the Board of Examiners which will be conducted along with the thesis / Project presentation.

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SCHEME OF EXAMINATION AND WEIGHT DISTRIBUTION							
PE	3	10	30	-	-	-	40
PE	3	10	30	-	-	-	40
PE	3	10	30	-	-	-	40
PRACTICAL	3	5	-	10	-	5	20
DISSERTATION	-	5	-	-	10	5	20
VIVA – VOCE	-	-	-	-	-	-	20

PASS REQUIREMENT

- A separate minimum of C Grade for Internal and External are required for a pass for every **course**.
- For the successful completion of a semester, a student should pass all courses and score a minimum Semester Grade Point Average (SGPA) of 1.50 (Grade C). However, a student is permitted to move to the next semester irrespective of her / his SGPA).
- For a pass in a **programme** a separate minimum Grade C is required for all the courses and must score a minimum Cumulative grade point average (CGPA) of 1.50 or an overall grade of C and above.

REAPPEARANCE OF FAILED CANDIDATES

There will be no supplementary examinations. A student who fails to secure a minimum grade for a pass in a course will be permitted to write the examination along with the next batch.

**PG HOME SCIENCE (B) - RESOURCE MANAGEMENT AND
INTERIOR DESIGNING**

INTRODUCTION

Post graduate programme in Resource Management and Interior Designing essentially focus on professional development of graduate students to become experts in the area of Resource Management and Interior Designing. The programme offers a comprehensive study of the significance of management in the macro and micro organizations and develops skill in interior and exterior space designing. Its main thrust is to create an understanding of the conceptual, human and scientific aspects of managerial function and space designing.

The main objective of the specialization in Resource Management and Interior Decoration is to train the students to optimize the use of resources to achieve family/institutional goals and improve the quality of life of families and communities. In the context of changing scenario in all facets of society and the socio economic and political change, the curriculum in Resource Management and Interior Designing address to the family and societal problems which ultimately lead to family and community well being which is the crux of development in the national context.

The specific objectives are:-

- To develop knowledge and competency in interior and exterior space designing.
- To acquire teaching and research in academic and other institutions.

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- To develop entrepreneurial skills and self employment potential in specific areas of resource management and Interior Designing.
- To acquire skill in planning, organising and evaluating of various events.
- To inculcate eco concerns in resource management among the students

The curriculum is planned to prepare students to be effective managers and to enrich the students with cognitive, affective and practical components and with adequate hands – on experience in various fields for better career options. Various career options are: -

- Teaching faculty, Project Officers, Research Associates/ Research Assistants
- Interior / exterior designers, Landscape designers
- Front office Managers / Professional House keepers
- Event managers/ Organizers / HR Facilitators
- Self employment opportunities

Eligibility:

MSc HomeScience (B) Resource Management and Interior Designing

For admission to the post graduate programme in Resource Management and Interior Designing, the applicant must have passed B.Sc. Family & Community Science / Home Science Model I & II of the Mahatma Gandhi University or any statutory university recognized by the Mahatma Gandhi University with not less than 55% in Part III.

In addition to the existing criteria, Bsc graduates in Food Service Management and Dietetics, Clinical Nutrition and Dietetics are also eligible. Weightage will be given to the above mentioned qualifying degrees. Science graduate with P G diploma in Interior Design/ Decoration or any BSc degree with Open /Add-on-course in Interior Decoration and Related Arts are also eligible.

**HOME SCIENCE (B)
RESOURCE MANAGEMENT AND INTERIOR DESIGNING
COURSE OUTLINE**

TOTAL CREDITS-80

SEMESTER	COURSE	TITLE OF COURSE	TEACHING HOURS/ WEEK	CREDIT	TOTAL CREDIT
I	HRM1ARM	Advanced Resource Management	5	4	18
	HRM1ECR	Eco Concerns in Resource Management	5	4	
	HRM1HA	Housing and Architecture	5	4	
	HRM1ERG	Ergonomics	5	4	
	HRM1EM (P)	Event Management (Practical)	5	2	
II	HRM2HE	Household Equipments	5	4	18
	HRM2IDCA	Interior Decoration and Creative Arts	5	4	
	HRM2FSOM	Food Service Organization and Management	5	4	
	HRM2RMS	Research Methods & Statistics	5	2	
	HRM2HF (P)	Home Furnishings (Practical)			
III	HRM3CS	Consumer Studies	5	4	18
	HRM3CMC	Crisis Management and Counseling	5	4	
	HRM3HA	Hospitality Administration	5	4	
	HRM3SPF	Scientific Writing and Project Formulation	5	4	
	HRM3IDCA (P)	Interior Decoration and Creative Arts (Practical)			
IV	HRM4LF	Landscaping and Floriculture	5	4	26
	HRM4CRI	Commercial & Residential Interior Space Designing	5	4	
	HRM4WS	Women's Studies	5	4	
	HRM4EM	Entrepreneurship Management	4	4	
	HRM4SPD(P)	Space Planning and Designing			

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		(Practical)	6	3	
	HRM4(PD)	DISSERTATION		4	
	HRM4(VV)	VIVA- VOCE		3	

Elective 6 – Developmental Communication and Extension

Elective 7 – Travel and Tourism Management

Elective 8 – Public Health Nutrition

SEMESTER – I

ADVANCED RESOURCE MANAGEMENT

Course Code: HRM1ARM

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To understand the significance of management in the micro and macro level organization.
- To assess the concept and functions of management.
- To provide an overview of philosophy, values, goals, standards, polices and strategies in management.
- To develop the ability to use, evaluate and improve human resources.

Course Outline

Module 1: Family/ Organization - a system approach.

Family system – concepts, functions and features, family Life cycle – stages, characteristics and constraints in life cycle management. Organization system – concepts, functions and features, organization structure stages, characteristics and constraints in organizational management.

Module 2: Management process, functions and Value orientation

Introduction to management, significance and scope, The evolving discipline of management- classical, behavioural and system approach, Management as a process – planning, organizing, coordinating, staffing, controlling and evaluation ; Value orientation and demands in management process - Importance of goals, standards and values, Decision

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making and resolving conflicts, Management by objectives(MBO), Strategic management, Management skills, Quality control total quality management (TQM).

Module 3: Human Resource Management.

Context, concept, scope and boundaries; Classification, characteristics of resources (special emphasize to Time, energy, money), Efficiency and effectiveness in use of human resources, Methods and techniques for improving resource use, Human resource planning and succession planning.

Module 4: Human Resource Development

HR development and system training, Recruitment, selection and orientation, Mentoring, performance coaching and appraisal, Building roles and teams, Compensation structure and differentials, reward, incentives and pay structure; Grievance and redressal.

Module 5: Organization Design

Types and factors affecting organizational design, Organization culture; Organization ethics and values, Social responsibilities of organization, Employer – Employee relationship

Module 6: Behavioural aspects of human at work and organizational dynamics.

Meaning, concepts and challenges of organization behavior, Job satisfaction and commitment, Personality and behavior, Emotional intelligence, perception and attitudes, Group, role, power and organization dynamics, inter-organizational dynamics, Managing work stress and burn outs

Module 7: Financial Management

Introduction to financial Management, Budgeting and its control, Savings and investments, Tax planning, Inflation and deflation, National and per capita income

Module 8: Event management

Introduction to event management, Event Planning and production, Event leadership and communication, Event Marketing and advertising, Event safety and security, Basic event accounting, Event Evaluation

Related Experience

1. Personality development games- Organization and interpretations
2. An enquiry into managerial practices of selected families under different stages of family life cycle.
3. Locating resources available to rural and urban families.
4. Visit to government / private organizations to survey management practices.

References

- An introduction to family resource management, Seetharaman P, Bata.S, Mehra P. 2005
CBS Publishers and distributors, New Delhi.

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- An introduction to family resource management, Seetharaman P, Bata S, Mehra P, 2005.cbc publishers and distributors, New Delhi.
- Appraising and developing managerial performance, Academy of Human Resource Development. B.K Publishers, Delhi.
- Financial management: An approach and conceptual approach, Tata McGraw Hill, New Delhi.
- Human resource management, Gupta, S.K and Joshi, R., Kalyani publishers, New Delhi.

Unit	Hours (90)	1 Weight (5/8)	2weight (5/8)	5 Weight (3/6)	Total Weight 30/54
1.	7 HRS	nil	1	nil	2
2.	15 HRS	1	1	1	8
3.	15 HRS	2	1	1	9
4.	10 HRS	1	1	1	8
5.	10 HRS	1	1	1	8
6.	9 HRS	1	1	1	8
7.	13 HRS	1	1	1	8
8.	11 HRS	1	1	nil	3

Managing human resources, Cascio Wayne.F (1985) McGraw Hill Book Co., New York.

- Personal and Human Resource Management, Decenzo, D.A. and Robins S.P. 1993. Prentice Hall, New Delhi.
- Personal management and Management of Human resources. Mamoria, C.B (1982) Himalaya Bombay.
- Strategic human resource management, Randall S.Schuler, Susan E.Jackson, 2007.Wiley – Blackwell.

BLUEPRINT

M.Sc. DEGREE EXAMINATION

FIRST SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM1ARM: ADVANCED RESOURCE MANAGEMENT

M.SC.DEGREE EXAMINATION

FIRST SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM1ARM– ADVANCED RESOURCE MANAGEMENT

(2014 Admission Onwards)

Time: 3 hours

Max. Weightage: 30

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Part A

I. Answer any five questions, each not exceeding one page. Each question carries a weight of 1

- 1 Standards
- 2 TQM
- 3 Organization culture
- 4 Leadership styles
- 5 Levels of resolving conflicts
- 6 Human resource planning
- 7 Stress and burnout
- 8 Tax planning

(5 x 1 = 5 Wt)

Part B

II. Answer five questions, each not exceeding two pages. Each question carries a weight of 2

- 9 Give an account of MBO
- 10 Need and significance of employer ñ employee relationship
- 11 Discuss the objectives and functions of budgeting and its control
- 12 Write about the types and factors affecting organizational design.
- 13 Enumerate the importance of resource management with special specialize to time and energy
- 14 Give the steps involved in decision making process and briefly discuss the types of decisions.
- 15 Elucidate the levels of management and skills required by a manager
- 16 How does the management of time affect the different stages of family life cycle?

(5 x 2 = 10 Wt)

Part C

III. Answer any three questions, each not exceeding three pages. Each question carries a weight of 5

17. Bring out relationships of values, goals and standards with suitable examples. Add a note on the need for value orientation for improving quality of management.
18. Explain the meaning and concept of human resource management. Discuss its scope and boundaries.
19. Justify social responsibilities of an organization? Comment on organization ethics and values.
20. Give an account of recruitment, selection and orientation in human resource development

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21. Planning and control are crux of resource management. Justify the statement.
22. Prepare a budget for a middle income family. Enumerate various savings and investment plans for an employed homemaker.

(3 x 5 = 15)

ECO CONCERNS IN RESOURCE MANAGEMENT

Course Code: HRM1ECR

Teaching hours: 5hrs/week

Credit: 4

COR

Objectives:

- To enable students to understand the relevance of environment to resource management
- To enable students to know various community resources and their management.
- To inculcate eco concerns in students
- To empower the divinity students to think and act theologically as well as ethically about environmental issues

Course Outline

Module 1: Energy – Sources and Classification, Energy Use - The patterns of energy use in the past, present and in the projected future. Environmental /ecological impact of their over exploitation

Module 2: Energy management – Energy crisis meaning, need for combating energy crisis, measures at micro level. Alternate energy sources, their potentialities and environment impacts of their use; Energy conservation – need, ways, end-use energy conservation

Module 3: Renewable Energy - Solar energy – Significance, solar radiation, solar devices – flat plate collectors, solar cooker, solar drier, solar water heater, solar distillation, solar photo voltaic cell – working, application, advantages and limitations. Wind energy – wind mill – working applications – advantages and limitations. Energy from biomass – Meaning, classification, sources, and characteristics. Disadvantages of direct combustion

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of biomass, biomass conversion processes, briquetting, pellatisation, biogas plants, smokeless chulah/ improved chulah

Module 4: Water management – water related problems – quantitative, qualitative, potability of water – Home scale, small scale and large scale purification techniques. Water quality and standards, Ways of augmenting water resources, rain water harvesting – need and techniques, irrigation – drip and sprinkler methods.

Module 5: Waste management – Classification of waste, characteristics, the need of a good waste management programme. Different methods of solid waste disposal – dumping, composting - vermicomposting, incineration ; Sewage/waste water, methods of treatment and disposal ; Sanitary latrine – meaning, types and working ; Sullage disposal – problems and solutions – soak pit, its construction and functioning.

Module 6: Environment- Meaning, interrelationship between population and development Micro environment – meaning and interaction with focus on family resource management.

Module 7: Environmental pollution – sources of pollution – land, water and air pollutions, causes and effects, global warming, acid rain and ozone layer depletion,

Module 8: Environmental protection – meaning, need, protection measures – environmental protection laws and action at different levels, social movements and organisations, means for sustainable environment

Related experience

Visit to any renewable energy centre/ conducting awareness class on environmental pollution/ sustainable development/ attending seminars/ field trips in the related areas

References:

- Abbasi, S.A and Abbasi, N (2001) Renewable Energy Resources and their Environmental Impact, Prentice Hall of India Pvt. Ltd., New Delhi.
- Chauhan D.S & Srivastava S.K (2010) Nonconventional Energy Resources, New Age International (P) Ltd, New Delhi.
- D.K. Asthana & Meera Asthana (2006) Environment Problems and Solutions, S. Chand & Company Ltd., New Delhi.
- G.N. Tiwari, (2010) Solar Energy Fundamentals Design, Narosa Publishing House, New Delhi.
- Jefferson W. Tester et. al. (2009) Sustainable Energy, PHI learning Pvt. Ltd., New Delhi.
- N. Manivasakam (2010) Environmental Pollution, National Book Trust India, New Delhi.

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- Nambiar, R.K (2007), Text book of Environmental Studies, SCITECH Publication (India) Pvt. Ltd, Chennai.
- P.S Ramakrishnan (2009) Ecology and Sustainable Development, National Book Trust India, New Delhi.
- Rao, C.S (2006), Environmental Pollution Control Engineering, New Age International (P) Ltd., New Delhi.
- S Rao & B.B. Parulekar (2011) Energy Technology Nonconventional Khanna Publishers, New Delhi.
- SC Santra (2010) Fundamentals of Ecology and Environment, New Central Book

Unit	Hours (90)	1 Weight (5/8)	2weight (5/8)	5 Weight (3/6)	Total Weight 30/54
1.	7 HRS	nil	1	nil	2
2.	10 HRS	1	1	1	8
3.	15 HRS	2	1	1	9
4.	10 HRS	1	1	1	8
5.	14 HRS	1	1	1	8
6.	9 HRS	1	1	1	8
7.	13 HRS	1	1	1	8
8.	12 HRS	1	1	nil	3

Agencies (P) Ltd, Kolkata.

- SP Misra & SN Pandey (2010) Essential Environmental Studies 2nd edn. Anes Books Pvt. Ltd., New Delhi.

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**M.SC. DEGREE EXAMINATION
FIRST SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM1ECR- ECO CONCERNS IN RESOURCE MANAGEMENT

(MODEL QUESTION PAPER)

**M.SC. DEGREE EXAMINATION
FIRST SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM1ECR - ECO CONCERNS IN RESOURCE MANAGEMENT
(2014 Admission Onwards)**

Time- 3 hours

Maximum- 30 weightage

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Part- A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. Define pollution.
2. Explain the working of a wind mill
3. Comment on Sustainable environment
4. Write short notes on incineration of waste
5. Write the advantages of Drip irrigation
6. Enumerate the steps in making vermi-compost
7. What is rain water harvesting?
8. Write short note on biogas

(5 x 1 = 5 weightage)

Part –B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. Elucidate the energy conservation measures at micro level
10. Illustrate a working model of bio gas plant
11. What is ozone depletion? Discuss the harmful effect of ozone depletion
12. Discuss the impact of water pollution on human health
13. Explain the causes of global warming
14. Bring out the need for combating water shortage at household level
15. Explain 3 Rs of waste management
16. Discuss the impact of pesticide pollution on the environment

(5 x 2 = 10 weightage)

Part –C

III. Answer any three questions not exceeding three pages. Each question carries a weightage of 5.

17. Classify waste and bring out the need for a good waste management programme
18. Enumerate the causes, effects and control measures of air pollution.
19. Elaborate the environmental protection laws in India
20. Discuss the significance of solar energy and various solar devices in overcoming the energy crisis
21. Elaborate the environmental protection laws in India
22. Discuss the significance of solar energy in overcoming the energy crisis

(3 x 5 = 15weightage)

HOUSING AND ARCHITECTURE

Course Code: HRM1HA

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To provide the students with thorough understanding of the technical aspects of housing
- To equip students with adequate knowledge to design residences giving due consideration to the functional, aesthetic and other factors of design
- To make students understand and apply the principle of planning and designing in housing.
- To make students aware of the Indian housing situation and train them in designing low cost houses for the masses.

Course Outline

Module 1: History of Housing

Evolution of housing, Development of housing in India and abroad, House types for various life styles- independent, twin / row / pent houses apartments / flats, studio apartments, villas, condominiums, Change in style due to influence of services and modern amenities .

Module 2: Factors affecting housing

Changes in housing needs and standards, Influence of Social, cultural, climatic, geographical, political factors and technological developments, Trends in population, occupation, income, mobility, migration, labour, space/ plot and material availability

Module 3: Design History

An overview of Ancient architecture - Precedents in Architecture –Egyptian, Greek, Roman, Chinese, Gothic, Renaissance, Indian- Hindu, Jain, Buddhist, Mughal, Colonial, Modern architecture, Post- Modernism, study of Domestic Architecture –Traditional built environment in Kerala, Introduction of Vaastu principles

Module 4: Approaches to housing and analysis of housing design

Role of housing in Integrated development- promoting self reliance, labour incentive, assets formation, industrial development; Functional and Systems approach to housing, Housing

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for good family living, House plans – Factors of planning, Selection of site, Preparation of house plans, reading plans

Module 5: Present Housing condition in India

Housing problems- Rural / Urban, Quality / Quantity determinants, evaluation of existing houses, Private and Public- Policies and Schemes, Slums- Causes, Prevention, rehabilitation, transit camps, Material utilization and technological strategies for low cost housing

Module 6: Building Construction

Basic construction Techniques, Building Components / Elements – Foundation, wall, floor, ceiling, roof, structural openings, vertical transport, Building materials, Finishes- painting, pointing, polishing, structural glazing, Cladding , Services- Electrical layout and wiring, Plumbing and sanitation, Construction Techniques for safety- Damp Proofing, Fire proofing, Termite Proofing, sound proofing, Security features

Module 7: Housing Standards and legislations

Building Codes, Floor Space Index (FSI/FAR), Kerala Building Rules, Points to be considered while buying / building a house, Owning vs. Renting

Module 8: Sustainable Housing

Residential architectural design for various life styles, Basics of Town and country planning, neighbourhood and age friendly communities, New concepts of planning such as solariums, Rain water harvesting, eco-friendly- green housing, geriatric housing ; Research in the field of housing – Prefabrication, Innovative and indigenous material and techniques

Related Experience

1. Reading and analysis of existing house plans
2. Development of house plans for various income groups
3. Visits to residential building sites / Exhibitions of building materials / market surveys
4. Attending seminars in related field

Reference:

- Agarwala S.C., (2008) Architecture and Town Planning, Dhanpat Rai & Co, N. Delhi
- Arora and Bindra , Building Construction
- De Chiara J., Time Saver Standards for Building Types, Sapna Publishers, Delhi
- Dutt D.R., How best to plan and build your home, Pustak Mahal, Delhi
- Hiraskar G. K. (1998) The Great Ages of World Architecture, Dhanpat Rai Publications (P) Ltd. N. Delhi
- Kasu A. , Interior Design, Ashish Book Centre, New Delhi
- Kerala Building Rules(KBR)

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- Punmia B.C. (1993) Building Construction, Laxmi Publications, N. Delhi
- Rangwala S.C., Town Planning, Charotar books, Anand
- Shah, et.al., Building Drawing, Tata Mc Graw Hill, Mumbai

BLUEPRINT

**M.SC.DEGREE EXAMINATION
FIRST SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM1HA--HOUSING AND ARCHITECTURE**

Units	Hours	Weightage 1 5/8	Weightage 2 5/8	Weightage 5 3/6	Total 30
1.	10	1		1	6
2.	8	1	1		3
3.	15	1	2	1	10
4.	10	1	1		3
5.	12	1	1	1	8
6.	15	1	2	1	10
7.	10	1		1	6
8.	12	1	1	1	8

(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
FIRST SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM1HA--HOUSING AND ARCHITECTURE
(2014 Admission Onwards)**

Time: 3 hours

Max. Weightage: 30

PART A

I. Answer any five questions, not exceeding one page. Each question carries a weight of 1:

1. Write a note on twin, duplex and row housing
2. What is the effect of mobility and migration in housing needs
3. Critically analyse Vaastuprinciples
4. What is the role of blue prints in house construction
5. Comment about the importance slum rehabilitation
6. List out the various types of building finishes

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7. Explain FSI /FAR
8. What is meant by green housing

(5 X 1 = 5 wt.)

PART B

Answer any five questions, each within two pages. Each question carries a weight of 2:

9. Compare the Greek and Roman Orders with figures
10. Elaborate on the factors influencing changes on housing designs
11. Draw the drainage and electrical layout of a house with proper symbols and abbreviations.
12. Describe a few feasible strategies for improving housing status among Economically weaker sections
13. Elaborate on modern security features to be installed at homes
14. Give an account Modern Architecture of 19th century with appropriate examples
15. Explain the role of housing for integrated development of a nation
16. Define Town and Country planning elaborating on the principles

(5 X 2 = 10 wt.)

PART C

II. Answer any three questions, each within three pages. Each question carries a weight of 5:

17. Discuss the house management problems in rural and urban India
18. Describe the advantages and disadvantages of owning vs. renting
19. Critically analyse the use of different building materials in roof and floor construction
20. Elaborate on the salient features of Kerala Domestic and temple Architecture of Kerala
21. Explain the innovative and indigenous materials for low cost construction
22. Give a detailed account of the evolution and history of housing.

(3 X 5 =15wt.)

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ERGONOMICS

Course Code: HRM1ERG

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives

- To make the students aware of the role of ergonomics in work effectiveness and efficiency
- To understand the ergonomical factors contributing to productivity, safety, control and well being of individual performing the work
- To discover how the work environment can be improved using [occupational safety](#)
- To Learn how to create safer and more comfortable work environments for the public and private sectors

Course Outline

Module 1: Introduction to Ergonomics

Importance, Principles, Components, Scope of Ergonomics in modern society and impact of ergonomics on work place designing, Man-Machine – Environment System interaction

Module 2: Fundamental of Work Physiology

Structure and function of the muscles, Biochemistry of muscle work, Physiological factors involved in muscular work, Sources of energy for muscular work, Static and dynamic muscular effort, Energy requirement for muscular work and efficiency, Energy expenditure for various activities, Endurance and muscular strength.

Module 3: Work load and posture

Identification and analysis of postures – Sitting, standing, reaching, moving, Static and Dynamic work, Body mechanics

Module 4: Wrong postures and its ill effects

Effect of wrong postures on cardiovascular and muscular skeletal system, Work related MSD- cause and prevention, Correct techniques of lifting and carrying weights, Technique such as OWAS, RULA, REBA etc.

Module 5: Fatigue

Classification, Factors influencing fatigue, Causative factors and alleviating techniques, work simplification – meaning and techniques, Mundell's classes of changes, Work curve, Work – Rest Cycle

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Module 6: Anthropometry and its application

Definition, scope, Human body as system of leavers, Anthropometric measurements, percentile humans, anthropometric data base, Accessible Work Areas, Nutrition and physical fitness, Job- Demand- Fitness Compatibility, Physiological cost of Household activities, Acceptable workload (AWL), Principles of motion economy.

Module 7: Environmental Parameters

Effect of Illumination/Lighting on environment, Thermal comfort and its impact on work efficiency, Effect of air pollution, Effect of Noise on Environment, effect of music on productivity and well being, Vibrations and its effect on body parts during work with body parts, Psycho-social environment.

Module 8: Work station designing

Ergonomical factors considered while designing workplace/kitchen/ office/ specialized areas, common workplace motion, work triangle, physical space arrangements, Hazards of ill designed work station, Ergonomical consideration for the physically challenged workers with disabilities.

Related Experience:-

1. Determination of workload using heart rate and oxygen consumption (Demonstration) – Treadmill/ Bicycle ergometer/ Step stool
2. Identifying the types of postures assumed by women during work, analysis and interpretation of the results.
3. Determination of maximum and comfortable working heights in horizontal and vertical plane
4. Determination of minimum space required for selected activities
5. Study few commonly used tools and equipments on the basis of their shape, size length etc to save times, human energy and fatigue

References:-

- Aggarwal, D.K (2006) Kitchen Equipment and Design, Aman Publications, New Delhi
- Grandjean, E (1985) Fitting the Task to the Man – An Ergonomic Approach, Taylor and Francis, London
- Joshi. S (1998) Ergonomics, Dept. of Home Management, The M.S. University of Baroda, Vadodara.
- Nag, P.K , Ergonomics and Work Design, New Age International (P) Ltd, New Delhi
- Varghese, M.A, Saha P.N and Atreya, N (2000) Ergonomics of women at work, Allied Publishers Ltd., Mumbai

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BLUEPRINT

**M.SC.DEGREE EXAMINATION
FIRST SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM1ERG-ERGONOMICS

Unit	Hours (90)	1 Weight (5/8)	2 Weight (5/8)	5 Weight (3/6)	Total Weight 30/54
1.	10HRS	1	1	1	8
2.	15 HRS	1	1	1	8
3.	15 HRS	2	1	1	9
4.	10 HRS	1	1	1	8
5.	7 HRS	nil	1	nil	2
6.	9 HRS	1	1	1	8
7.	13 HRS	1	1	1	8
8.	11 HRS	1	1	nil	3

(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
FIRST SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**Dept. of Home Science, St. Teresa's College
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**HRM1ERG-ERGONOMICS
(2014 Admission Onwards)**

Time: 3 hours

Max. Weightage: 30

Part A: Answer any questions, each not exceed one page. Each question carries a weightage of 1

1. Explain REBA Technique.
2. Significance of Anthropometry in Ergonomics
3. Importance of Energy expenditure for various activities
4. Differentiate between static and dynamic work?
5. Peak load
6. Acceptable work load
7. Work Triangle
8. Define Ergonomics. (5 x 1= 5)

Part B

1. Discuss the physiological factors involved in muscular work
10. Comment on the ill effects of wrong postures
11. Explain different methods for providing ventilation in a room
12. Enumerate alleviating techniques pertaining to physiological fatigue
13. Discuss thermal comfort and its impact on work efficiency?
14. Enumerate the ergonomical consideration for designing a work area for a physically challenged worker.
15. Discuss the principles of motion economy
16. Enlist the techniques used for alleviating psychological fatigue (5 x 2 = 10)

Part C

Answer any three questions not exceeding three pages. Each question carries a weightage 5

17. Discuss the scope of ergonomics in modern society
18. Bring out the inter relationship between work worker and working environment
19. Explain Mundell's classes of changes with suitable illustrations.
20. Discuss the ergonomical factors considered while designing interiors
21. Explain the environmental parameters considered while designing interiors.
22. Bring out the importance of anthropometry and its application in work place designing.

EVENT MANAGEMENT (PRACTICAL)

Course Code: HRM1EM (P)

CORE

Teaching hours: 5hrs/week

Credit: 2

Objectives

- To acquire an understanding of the role and purpose(s) of special events in organization and in general.
- To study the techniques and strategies required to plan successful event management.
- To understand the knowledge and competencies required to promote, implement and conduct various events.
- To assess the quality and success of special events.

Course Outline

Module 1: Event Planning - Plan an event with aim, set standards, establish objectives and prepare an event proposal.

Module 2: Event Organising – Organising the Event - Event production and logistics- concept, theme, fabrication, light sound, handling vendors, logistics policy, procedures, protocols, performance standards, dress code, staging and staffing, traits, motivation and functional areas.

Module 3: Event Evaluation - Assessing and measuring event success - SWOT / PERT analysis

Module 4: Internship training (1 week) with any event management organization/ Comparison of organization of various functions / venue arrangements - wedding reception, institutional events, theme parties etc.

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VIVA

References

- Advertising Management. Rathor, B.S. 2001, Himalaya Publishing House, Mumbai.
- Event Management a profession approach, Ashutosh Chaturvedi.
- Event Management an integrated and practical approach , Razaq Raj, Paul Walters and Tahir Rashid
- Event Management by Lynn Van Der Wagen and Bronda R Carlos. Tata McGraw Hill – New Delhi 1991.
- Marketing, Karthiresan and Radha 2004. Prasanna Publishers, Chennai.
- Successful event management, Anton Shone and Bry Parry.

SCHEME FOR EVENT MANAGEMENT –HRM1EM (P) VALUATION

Total Weightage 15

A. RECORD VALUATION - 10 weightage

Sections:

- Event Planning – Steps Taken in Planning
- Event Organising - Perfection in Organizing, Consideration of Risk Planning and Alternative Arrangements
- Event Evaluation – Steps Taken for Evaluating Programme.
- Internship – The Achievements and Relevance

B. VIVA: on Questions relevant to work done in record – 5 weightage

- Knowledge of subject - 3
- Communication Skill - 1
- General Poise - 1

SEMESTER – II

HOUSEHOLD EQUIPMENTS

Course Code: HRM2HE

Teaching hours: 5 hrs / week

COR

Credit: 4

Objectives:

- To enable students to gain knowledge and develop skills in handling household equipments.
- To understand the working mechanism, care and maintenance of various household equipment.
- To understand high tech equipment features, equipment design, technologies adopted, standards and product testing aspects.
- To understand the importance of Ergonomics in designing household equipments

Course Outline

Module 1: Household Appliances and its Classification

Major/minor, Electrical / Non electrical, Motorized, Heating, Electronic and low voltage appliances

Module 2: Electricity in home

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Basic concepts, Home wiring to suit installations and use of appliances, AC/DC Source, Electrical materials – conductors, semi conductors and insulators, Safety considerations

Module 3: Electrical equipments

Equipments used for Food Preparation – Mixer, Grinder, Churner, Food processor ; Cooking – Induction stove, microwave oven ; Cleaning – Vacuum cleaner ; Washing – Dishwasher, washing machine ; Storage – Refrigerator ; Other household equipments – A/C, Water heater/ geysers; Use of electrical equipments in modern homes

Module 4: Non-electrical equipments

Equipment used for preparation , cooking and other minor tools used in kitchen – pressure cooker, pressure pan, gas stoves ; Equipment used for cleaning and other activities

Module 5: Materials used for the construction

Base materials, Finishing materials and materials used for insulation - Types, classification, merits and demerits

Module 6: Selection, Care and Maintenance of equipments

Factors affecting selection and use of equipment in the home, Influences of equipment on family living, Minor problems and trouble shooting in electrical and non electrical gadgets

Module 7: Quality Control and Standardization for Equipments

Product Safety, Need for product testing, Product testing techniques and devices, Product evaluation, Organisations contributing to developing standards – ISI, (BIS) and BEE

Module 8: Design consideration for tools /equipments

Ergonomical principles used in designing household equipment to achieve economical and satisfactory performance. Functional designing - Significance and essentials of Product Design, Anthropometry in designing, Area in which R&D work is needed

Related Experience:

1. Market survey to study the trends and availability of various household equipment
2. Preparation of tools for equipment evaluation and selection
3. Comparison of performance characteristics of various brands of major household equipment

References :

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(Autonomous), Ernakulam**

- Equipment in the Home, Ehrenkranz, F and Inman, I. (1973), New York, Harper and Row.
- Household Equipment, Peet, L.J., Pickett, M.S. and Arnold, M.G. (1979 New York, John Wiley.
- Household Equipment Principles, VBan Zante, H.J. (1970) New York, Prentice Hall Inc.
- Agarwal, D.K. (2006) Kitchen Equipment & Design, Agarwal, D.K. (2006) Aman Publications Publisher.
- Modern Kitchen Work Book, Jankowsky & Wanda (2001) Rockport Publishers.
- Robert, L. and Smith (2002) Electrical Wiring Industrial: Based on the 2002 National Electrical Code, Delmar / Thomson Learning Publisher.
- Complete Book of Cooking Equipment, Jule Wilkinson (1981), Van Norter and Reinhold Publishers.

BLUE PRINT

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM2HE - HOUSEHOLD EQUIPMENTS

Unit	Hours (90)	1 Weight (5/8)	2 Weight (5/8)	5 Weight (3/6)	Total Weight 30/54

**Dept. of Home Science, St. Teresa's College
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1.	10HRS	nil	1	nil	2
2.	10 HRS	1	1	1	8
3.	15 HRS	2	1	1	9
4.	15 HRS	1	1	1	8
5.	10 HRS	1	1	1	8
6.	12 HRS	1	1	1	8
7.	13 HRS	1	1	1	8
8.	15 HRS	1	1	nil	3

(MODEL QUESTION PAPER)

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM2HE-- HOUSEHOLD EQUIPMENTS
(2014 Admission Onwards)**

Time: 3hrs

Maximum: 30 Weightage

PART – A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. Washing Machine
2. Defrosting
3. LPG
4. Base materials used for equipment construction
5. Need for product testing
6. Thermal controls
7. Base materials
8. Induction Stove

(5x1=5 weightage)

PART-B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. How will you evaluate motor appliances?

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10. Give an account of the importance of ISI.
11. Classify household equipment with example.
12. Write about the maintenance of Mixer Grinder.
13. Enumerate the ergonomical considerations in designing household equipment.
14. Comment on the time and energy saving features of “pressure cooker”.
15. Describe the principle of “vacuum cleaning”.
16. Elaborate on insulation materials used for equipment construction

(5 x 2 = 10 weightage)

PART –C

III. Answer any THREE questions not exceeding three pages. Each question carries a weightage of 5.

17. Describe the construction features, principle of operation and safety measures of a Microwave Oven.
18. Write a note on the scope and objectives of performance standards in the development of equipment design.
19. Illustrate and explain the parts and working mechanism of a refrigerator.
20. Draft an interview schedule to elicit information on the usage of various solar equipments among homemakers.
21. Differentiate various heating appliances used for cooking (based on fuels). Comment on induction cooker and electrical cooking range.
22. Discuss the features of hi-tech equipment. Enumerate the selection criteria for various household equipments

(3 x 5 = 15 weightage)

INTERIOR DECORATION AND CREATIVE ARTS

Course Code: HRM2IDCA

Teaching hours: 5hrs / week

Credit: 4

Objectives:

COR

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(Autonomous), Ernakulam**

1. To make students aware of the planning principles for designing various types of residential spaces.
2. To gain the basic knowledge of furnishing the residential space
3. To gain better understanding as regard the history of furniture, anthropometric data, various materials and their uses etc for the interiors.

Course Outline

Module 1: Design Fundamentals

Definition and classification of design, Design types – i) structural (functional) ii) ornamental (decorative) – Naturalistic, stylized, Geometrical, Historical, Traditional, Modern, and Abstract; Elements of design, Principles of design; Study of colour in detail: Introduction, Characteristics of colours, Colour systems 2D and 3D – Prang's, Munsell's and Ostwald – Colour harmonies, psychological effect of colours and its use in interior

Module 2: History of furniture

Brief introduction with respect to special reference to periods and styles such as traditional; contemporary, modern etc.

Module 3: Resource Materials

Materials for interior use, properties, care and cost; Wood, stone, brick, plastic, iron, aluminium, brass, glass, foam rubber etc, wall finishes, floor finishes, materials for ceiling and false ceiling and furniture finishes.

Module 4: Factors influencing furnishing of interior space

Climate, family needs and preferences, materials availability, design, principles, financial limits.

Module 5: Factors to be considered while planning (designing)

Grouping of rooms, orientation, lighting, ventilation, circulation, spaciousness, privacy, flexibility, services, aesthetics, cost

Module 6: Environmental factors and home lighting

Light, ventilation, temperature, noise and pollution and their influence on human work. Types of lighting, adequacy of lighting in various areas, sustainable lighting

Module 7: Space Saving Techniques

Multipurpose room, multipurpose furniture, illusion with the help of lighting effect, mirror use and colour use

Module 8: Accessories in Interior

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Definition, classification, selection and placement of accessories; pictures, art, crafts, sculptures, antiques, indoor plants and flower arrangements.

Related Experience

1. Blending colours to observe the effect of colours on each other
2. Creation of art forms
3. Development of accessories from waste

References

- Kasu, A (2005) Interior design, Ashis Book Centre, Mumbai
- Khanna G, Art of Interior Design, Indica Publishers, Delhi
- Craig H.T and Rush C.D, Homes with Character, DC Health and Company, Boston
- Goldstein H and Goldstein V , Art In Every Day Life, Macmillan Company New York
- Punmia B.C. (1993) Building Construction, Laxmi Publications, N. Delhi

BLUEPRINT

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM2IDCA- INTERIOR DECORATION AND CREATIVE ARTS

Curriculum and Syllabus, 2014

Admissions

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Unit	Hours (90)	1weight (5/8)	2 Weight (5/8)	5weight (3/6)	Total Weight (30)
1.	14	1	1	2	13
2.	10	1	1		3
3.	12	1	1	1	8
4.	10	1	1		3
5.	10	1	1	1	8
6.	10	1	1		3
7.	12	1	1	1	8
8.	12	1	1	1	8

(MODEL QUESTION PAPER)

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM2IDCA- INTERIOR DECORATION AND CREATIVE ARTS
(2014 Admission Onwards)**

Time: Three Hours

Maximum Weight: 30

Part- A

I. Answer any FIVE questions, not exceeding one page. Each question carries weightage 1

1. Define good lighting
2. What is contemporary furniture?
3. Explain resilient flooring
4. Enumerate the techniques for attaining privacy in interior
5. List out the selection criteria for accessories in living room
6. How will you mount a horizontal picture?
7. Define multi - purpose one room apartments
8. List out the psychological implication of green colour

(5 x 1 = 5 weightage)

Part B

II. Answer any FIVE questions not exceeding two pages. Each question carries weightage 2

9. Comment on the application of vertical lines in interior
10. Discuss the importance of balance in interior decoration

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11. Bring out the characteristics of Gothic Style furniture
12. Discuss the factors affecting choice of flooring materials
13. Explain brick as interior furnishing material
14. Discuss individual needs and preferences as a major factor influencing designing interior space
15. Explain the role of colour in creating an illusion of space in a room
16. Illustrate and explain 'Hogarth flower arrangement'

(5 x 2 = 10 weightage)

Part C

III. Answer any three questions not exceeding three pages. Each question carries weightage 5.

17. Explain Prang's colour system with proper illustration
18. "The building blocks of designs are its elements" Discuss.
19. 'Discuss cost effective materials for wall finishing in interior
20. 'Principles of designing play a major role in aesthetics of the interior' Explain
21. Explain various types of flower arrangement with proper illustration
22. Explain sustainable lighting? How will you plan home lighting with sustainable ideas?

(3 x 5 = 15weightage)

FOOD SERVICE ORGANISATION AND MANAGEMENT

Course Code: HRM2FSOM

Teaching hours: 5hrs/week

Credit: 4

COR

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(Autonomous), Ernakulam**

Objectives:

- To understand the organisation of food service establishments and management of human, material and financial resources
- To be familiar with various concepts involved in quantity and quality food production and service
- To understand the need for personnel management in the food industry

Course Outline

Module 1: Development, Scope and Types of Food Service Establishments

History, scope and development of food service institutions, factors affecting development, recent trends, Types of food service establishments (commercial and non-commercial) and their characteristic features. Planning for a food service Unit - Planning, Investment, Project Report, Registration (License and Inspection)

Module 2: Food Service Organisation and Management

Types of Organization, Division of Labour, Organisation Chart, Tools of Organization, Principles of Management, Functions of Management (Planning, Organising, Directing, Coordinating, Evaluating, Controlling,) Total Quality Management (TQM), Management by Objectives (MBO), Work Design, Job Design, Work Study and Simplification.

Module 3: Quantity Food Preparation

Methods of purchase (formal and informal), Identifying needs, Selection, Receiving, Storage types, Issuing, Menu Planning- Importance, Functions of Menu, Types, Steps in Menu Planning, Requisites in Designing a Menu Card, Sequence of courses in Indian and Continental Menu, Quantity food preparation - food production systems management, Production control - Standardisation of recipes, Stepping up of recipes, portion control, Quality control in food preparation. Food Laws

Module 4: Quantity food service

Food Service Delivery Systems (Centralised and Decentralised) Type of food service systems (conventional, commissary, ready prepared, assembly), Service Styles (table, counter, tray, silver, plate, cafeteria, buffet), Specialized forms of service (hospital, airline, rail, home deliver, catering and banquet, room and lounge service).

Module 5: Table Setting and Arrangement

Indian and Western Styles of Table Setting, Table Appointments, Napkin folding styles, Flower arrangement, Table Etiquettes

Module 6: Organisation of Space and Equipment

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Design and layout of kitchen, Types of kitchens, storage and service areas, Determining Work Centres; Equipments – types, planning, Factors affecting selection and purchase

Module 7: Financial Management

Book keeping(Single and Double entry system), Books of Accounts, Journal, ledger, trial balance, balance sheet, Type and Behaviour of costs, profit analysis, Records and Controls, Budget, Food cost control methods.

Module 8: Personnel Management

Styles of Leadership, Effective Leadership and Communication, Staff Planning and Management, Employment, Staff Recruitment, Selection, Placement, Induction, Training, Evaluation and Appraisal, Labour laws.Sanitation and Safety in food service industry- Personnel hygiene, Safety at work, measures adopted

References

- Dennis L.Foster (1995), 'An Introduction to Hospitality', McGraw Hill International Edition.
- Dennis, R. Lillicrap, Jnan, A.Cousins (1993), "Food and Beverage Service", Older and Stoughten Publishers Ltd, England, IV Edition.
- Jack D. Ninemeier (1995), 'Food and Beverage Management', 2nd Edition, American Hotel and Motel Association, U.S.A.
- Lendal H.Kotschevar and Richard Donnely (1993)'Quantity Food Purchasing, McMillan Publishing Co., New York, IV Edition.
- Mahmood A. Khan, (1987), 'Food Service Operations', AVI, U.S.A.
- Marian C. Spears(1995), Food Service Organistion', IIIrd Edition, Prentice Hall Inc., USA
- Mohini Sethi and Surjeet Malhan (1993), 'Catering Management- An Integrated Approach', 2nd Edition, Wiley Publication, Mumbai.
- Sudhir Andrews (1997), 'Food and Beverage Service- Training Manual', 23rd Reprint, Tata McGraw Hill Publishing Co.
- West, B Bessie and Wood, Levelle (1988), 'Food Service In Institutions', 6th Edition, Macmillian Publishing C., New York

BLUEPRINT

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM2FSOM– FOOD SERVICE ORGANISATION AND MANAGEMENT

Curriculum and Syllabus, 2014

Admissions

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Unit	No. of hours	Section A (5/8) 1 weightage	Section B (5/8) 2 weightage	Section C (3/6) 5 weightage	Total 30
1.	10	1	1	1	8
2.	11	1	1	1	8
3.	15	1	1	1	8
4.	10	1	1	1	8
5.	6		1		2
6.	8	1	1	1	8
7.	15	1	1		3
8.	15	2	1	1	9

(MODEL QUESTION PAPER)

**M.Sc.DEGREE EXAMINATION
SECOND SEMESTER**

**HOME SCIENCE- BRANCH B: RESOURCE MANAGEMENT AND
INTERIOR DESIGNING**

**HRM2FSOM– FOOD SERVICE ORGANISATION AND MANAGEMENT
(2014 Admission Onwards)**

Part A

Time: Three Hours

Maximum Weight: 30

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1.

1. Welfare catering
2. Job Design
3. Table d hote menu
4. Banquet service
5. Cover
6. Work triangle
7. Break even analysis
8. HACCP

(5x1=5 weightage)

Part B:

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. How will you prepare a project report for establishing a food service unit?
10. What are the methods of work simplification?

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11. What is the need for portion control? How can it be achieved?
12. Explain the food delivery systems.
13. Elaborate on the rules of table setting in a fine dining restaurant and explain the different styles.
14. Explain the work centres required in a multi cuisine restaurant and sketch its layout.
15. Explain the steps in planning of budgets.
16. Write the need for proper communication in an organization and mentions the principles of effective communication .

(2x5=10 weightage)

Part C:

III. Answer any THREE questions not exceeding three pages. Each question carries a weightage of 5.

17. Give the classification of establishments. Explain the features of the various commercial establishments.
18. Elaborate on the functions of management.
19. What are the functions of a menu to the consumer and establishment? What are the factors to be considered while planning a menu in a school canteen?
20. Explain the styles of food service
21. Give the classification of equipments. What are the factors involved in determining the need for equipment in a food industry.
22. What measures are to be taken to ensure sanitation and safety of food and personnel in the food production and service areas?

(3 x 5=15weightage)

RESEARCH METHODS AND STATISTICS

Course Code: HRM2RMS

Teaching hours: 5hrs/week

Credit:4

COR

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Objectives:

- To understand the significance of research methods and statistics in Home Science research.
- To understand the types, tools and methods of research and develop the ability to construct data gathering instruments appropriate to the research design.
- To understand and apply the appropriate statistical techniques to analyse numerical data and draw inferences.

Course Outline

Module 1: Introduction to Research

Definition, Objectives and Characteristics of research, Types of Research – Basic, Applied and Action research, Exploratory and Descriptive, Ex-post facto research.

Module 2: Identification of Research Problem

Sources of research problem, Criteria for the selection of research problem; Research design, Rationale, Statement of problem, Setting objectives, Definition of concepts, operational definition, variables – independent and dependent, control and intervening variables, limitations and delimitation. Hypothesis – Meaning and importance, types of hypotheses.

Module 3: Sampling

Population and Sample, Sampling techniques, Size of sample, Merits and Limitations of sampling, Sampling and Non- sampling errors.

Module 4: Research methods and tools

Methods – Survey, observation, interview, experimental, clinical methods. Tools – Questionnaire, Schedule (for interview and observation) Rating Scales, Attitude Scales. Reliability and validity

STATISTICS

Module 5: Descriptive Statistics:

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Measures of Central Tendency – Mean, Median, Mode; Partition Values – Quartiles, Deciles and Percentiles, Measures of Dispersion – Range, Quartile deviation, Standard deviation; Absolute and Relative measures of dispersion, Coefficient of variation

Module 6: Correlation and Regression:

Correlation and Regression; Scatter diagram, Correlation, Coefficient of Correlation – Karl Pearson and Rank Correlation Coefficients; Interpretation of Calculated coefficients. Concept of Regression, Regression Lines and their estimation

Module 7: Concept of Probability and Random Variable.

Concept of Probability and Random Variable; Normal distribution and its properties; Standard normal distribution and calculation of probability of events, Importance and use of distribution in research

Module 8: Sampling distributions

Sampling distributions, F and χ^2 distributions; Central Limit theorem, Standard error and its importance and applications; Testing of Hypothesis – Hypothesis, Null and Alternative hypothesis, Type I and Type II errors, Significance Level and size of test, Critical Region, Testing Procedure concept of P Value in testing; Large and small sample tests (Z, t, F and χ^2 statistics)

Related Experience

A five day training in using SPSS or similar package used in statistical analysis of data

References

- Bandarkar, P.L. and Wilkinson T.S. (2000): Methodology and Techniques of Social Research, Himalaya Publishing House, Mumbai.
- Batnagar, G.L. (1990): Research Methods and Measurements in Behavioural and Social Sciences, Agri. Cole Publishing Academy, New Delhi.
- Dooley, D. (1995): Strategies for Interpreting Qualitative Data: Sage Publications, California.
- Gay, L.R. (1981, 2nd Ed): Educational Research, Columbus, Ohio.
- Long, J.S. (Ed) (1988): Common Problems Proper Solutions: Avoiding Errors in Quantitative Research, Beverly Hills, Sage Publications, California.
- Mukherjee, R. (1989): The Quality of Life: Valuation in Social Research, Sage Publications, New Delhi.
- Strass, A. and Corbin, J. (1990): Basis of Qualitative Research: Grounded Theory Procedures and Techniques, Sage Publications, California.

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**M.SC.DEGREE EXAMINATION
SECOND SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM2RMS-RESEARCH METHODS AND STATISTICS**

UNIT	Hours 90	Weightage 1 PART A (5/8)	Weightage 2 PART B (5/8)	Weightage 5 PART C (3/6)	Total Weightage 30
RESEARCH					
1	15	1	1		3
2	15	1	1	1	8
3	10	1	1	1	8
4	10	1	1	1	8
STATISTICS					
1	9	1	1	1	8
2	9	1	1	1	8
3	9	1	1		3
4	9	1		1	6

(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
SECOND SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM2RMS-RESEARCH METHODS AND STATISTICS
(2014 Admission Onwards)**

Time: Three Hours

Maximum Weight: 30

PART A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1.

1. List the merits of cluster sampling techniques.
2. Define Mode.
3. Define standard deviation.
4. Define correlation.

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5. What is a null hypothesis?
6. Define research
7. Importance of research design.
8. Case study

(5x 1= 5 weightage)

PART B

II. Answer any FIVE questions not exceeding two pages .Each question carries a weightage of 2.

9. What is concept? Bring out the relationship between concept and variable.
10. What is a Non sampling error? Elaborate.
11. Distinguish between Product Moment and Rank Order correlations.
12. Distinguish between absolute and relative measures of dispersion.
13. Explain the importance of standard error in testing of hypothesis.
14. Enumerate the characteristics of a good research.
15. What are rating scales? Explain the various types.
16. Explain basic, applied and action research?

(5 x 2= 10 weightage)

PART C

III. Answer any three questions not exceeding three pages .Each question carries a weightage of 5.

17. Explain Type I and Type II errors.
18. Calculate the Correlation coefficient from the following data.
 - a. X: 12 15 21 25 32 35
 - b. Y: 15 20 16 22 25 27
19. Explain the Normal probability curve. List its properties. Add a note on the practical applications of the Normal probability curve.
20. Explain the steps in selecting research problem.
21. Calculate standard deviation of the following data

2. Class	0-10	10-20	20-30	30-40	40-50
3. Frequency	7	13	18	14	8
22. What are the primary methods of data collection?

(3 x 5= 15 weightage)

HOME FURNISHINGS

Course Code: HRM2HF (P)

Teaching hours: 5hrs/week

COR

Credit: 2

Objectives:

- To understand various furnishing materials and their selection
- To develop skills in preparation of suitable furnishings for interiors
- To enable estimation of fabric and cost of furnishings

Course Outline

Module 1: Fabric Study

Collection of materials for study of fabric types, composition and characteristics ; Fabric uses, selection and special considerations for home furnishings. Creating variations in interior with the use of furnishings. Fabric selection for occasions/thematic fabric selection

Module 2: Fabric Art Techniques

Patch work techniques, Applique work/ mirror work/ quilting/ smocking/ embroidery; Needle made borders and cutwork techniques; Tie and Dye, Batik, Stenciling, Screen printing and Block printing.

Module 3: Construction / Model Making of Furnishing Materials

Calculation of fabric requirements and model making of curtains and draperies, various types of pleats- box/pinch/cartridge pleats; Table cloths — round/square, table mats/ napkins ; Bed sheets/bed spreads, pillow covers, box and bolster cushions ; Theme based design development for selected interiors.

(Weightage 12)

VIVA

References

- Fabric harmony, Tara Mc Lellan, Anness Publishing Limited London.
- Great Home Decorating Ideas, Mike Lawrence and Jan eaton, Anness Publishing Limited, London.
- Stitch by Stitch-The Illustrated encyclopaedia of Sewing, Knitting and Crochet, Vol-10-20, Marshall Cavendish, London.

HOME FURNISHINGS – HRM2HF (P)

SCHEME OF PRACTICAL VALUATION

EXTERNAL VALUATION - 15 WT (RECORD – 10 WT. + VIVA - 5 WT.)

Components of Record Valuation – 10 wt

1. Fabric Study, and Fabric selection /thematic fabric selection – based on choice, selection and creative use of soft furnishings in the selected designs- 3 wt
2. Fabric Art Techniques- Surface ornamentation techniques- innovativeness and creativity and workmanship – 4 wt
3. Model Making - neatness and presentation – 1 wt
4. Theme based design development of interiors, based on creativity, use of colours and design and overall application of the theme- 2 wt

Components of Viva - 5 wt

1. Understanding of concepts studied – 2 wt.
2. Knowledge of subject matter- 2 wt
3. Clarity and presentation – 1 wt

SEMESTER III

CONSUMER STUDIES

Course Code: HRM3CS

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To make students aware of the economic system in India.
- To familiarize students with changing trends in consumer world.
- To equip and impart knowledge on consumer related facts and issues.
- To make students enlightened empowered and smart consumers.

Course Outline

Module 1: Consumer and the Indian economic environment.

Definition and characteristics of consumers, Definition, role, types and how does an economy function, problem of economy , Indian economic environment, Role of consumers in the economy of a nation.

Module 2: Consumer Behaviour and buying habits

Understanding consumers and their wants, Buying motives- primary, selective, rational, emotional patronage, Factors are influencing consumer behavior and buying motives, Consumer decision making process, Market strategies influencing consumer behavior, Guidelines for wise purchasing practices.

Module 3: Consumer Market

Market – meaning, definition ,types and functions, Products and services market and its characteristics, Market segmentation, Consumer co-operatives objectives and functions, Changing market environment - telemarketing, cyber marketing, global, privatization of monopolistic services, e-business and e-commerce, Consumer credit-definition, types, sources and factors affecting consumer credit

Module 4: Product management, pricing, promotion strategies and distribution channels

Product decision and strategies, Product Life cycle, New product development, Branding and packaging, Pricing policies and practices, Advertising and publicity, Personal selling

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and sales promotion, Meaning, types advantages and factors considered in the selection of channel, Sales forecasting, Marketing and public policy

Module 5: Consumer education

Need and significance, Aspects of consumer education, Problems in consumer education, Consumer rights and responsibilities, Consumer aids- Labels, trademarks, brand names, patents, warranty, guarantee and after sales service.

Module 6: Consumer problems and consumer redressal

Types of consumer exploitation – adulteration, malpractices in packaging and labeling, incorrect weights and measures, false advertising and sales gimmicks, Consumer redressal – Consumer services-Government and voluntary agencies, merits and demerits, Redressal forum-district, state and national and its functions.

Module 7: Consumer acts and regulations

Consumer protection – importance, scope of law in consumer protection, consumer movement, Consumer protection Act 1986, Role of institutions in quality control – meaning and definition, standard institution – BIS, Agmark, ISO.

Module 8: Consumer Research

Purpose and scope for consumer research, Consumer research methodology, Role of consumer organization in consumer Related Experience, Research, Consumer research in the market economy

RELATED EXPERIENCE:

1. Comparison of wholesale and retail purchasing/ visit to consumer co-operatives
2. Preparing a manual of consumer education
3. Visit to the consumer forum to observe cases and complaints of consumers
4. Visit to different types of markets- organized, unorganized, local, weekly etc.

References:

- Consumer Behaviour, Suja Nair, 2002. Sultan Chand and Sons New Delhi.
- Consumerism – strategies and tactics, Seetharaman P and Sethi M. 2001.CBS publishers New Delhi.
- Consumerism, Sethi M, Seetharaman P. 1994. A growing concept, Phoenix Publishers New Delhi.
- Marketing Management, Gupta, C.B., Nair, R.N. 2004. Sultan Chand and Sons Delhi.
- Marketing, Kathiresan. S, Radha V. 2004. Prasanna Publishers, Chennai.
- Marketing, Nair Rajan, Nair Sanjith R. 2003. Sultan Chand and Sons, Delhi.
- Principles of marketing, Pattanchetti, C.C. and Reddy 2002. Rainbow publishers Coimbatore.

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**M.SC.DEGREE EXAMINATION
THIRD SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM3CS-CONSUMER STUDIES

Units	Weightage 1 5/8	Weightage 2 5/8	Weightage 5 3/6	Total 30
1	1	1		2
2	1			1
3		1	1	2
4	1	1	1	3
5	1	1		2
6	1	1	1	3
7	1	1	1	3
8	1	1	1	3

(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
THIRD SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM3CS- CONSUMER STUDIES**

(2014 Admission Onwards)

Time- 3 hours

Maximum- 30 weightage

PART – A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. Consumer credit
2. Shopping goods
3. Branding
4. Market segmentation
5. Warrenty

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6. Consumer protection act
7. ISO
8. Types of market

(5x1=5 weightage)

PART-B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. Give an account of pricing policies and practices.
10. Need and significance of consumer information.
11. Discuss the objectives and functions of consumer co-operatives.
12. Explain the marketing strategies that influence consumer buying behaviours.
13. Write about consumer redressal. Explain the alternative redressal mechanism for consumer grievances.
14. Enumerate the importance of sales forecasting.
15. Comment on the advantages and disadvantages of “cyber marketing”.
16. Explain product life cycle.

(5x2=10 weightage)

PART –C

III. Answer any THREE questions not exceeding three pages. Each question carries a weightage of 5.

17. What are the steps involved in the stages of a new product development. Enumerate with a suitable example.
18. Explain the meaning and concept of market. Discuss the changing market environment?
19. Justify the purpose and consumer research? Write the role of consumer organization in consumer research
20. Give an account of consumer problems? Briefly discuss the importance of law in consumer protection.
21. Differentiate types of consumer products. Comment on factors influencing consumer buying motives.
22. What are the characteristics of consumers? Discuss the importance of consumers in the Indian economy.

(3x5=15 weightage)

CRISIS MANAGEMENT AND COUNSELLING

Course Code: HRM3CMC

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To create in students the awareness of different types of crises.
- To develop insight into the manner of coping with crises situations.
- To develop skills for guidance and promoting intervention programs for coping in crises.

Course Outline

Module 1: Introduction to crisis

Meaning and concept of crisis, Types of crises - natural disasters, man made crisis situations, General nature/characteristics of crisis.

Module 2: Response to crisis

Common problems produced by crisis—loss, changes, risk, Common reactions to traumatic situations, protective and risk factors, bodily changes in response to stress, Key stages in the process of loss and bereavement

Module 3: Understanding Crisis Situations

Phases of crisis-Pre crisis phase, crisis response, post crisis phase, Need for a crisis management plan, Initial crisis response –best practices.

Module 4: Management of Crisis Situation

Identifying crisis, planning responses, handling crisis situations, Principles of emergency/disaster management, Phase of emergency/disaster management—preparedness, mitigation, response and recovery.

Module 5: Intervention in Crisis

Goals of crisis intervention, Educational component of crisis intervention, Initial assessment, Group counselling and Individual counselling, Steps to facilitate coping and problem solving.

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Module 6: Crisis Counselling

Counseling- definition, purpose, elements and types, Counsellor's roles and responsibilities, Qualities and skills of a counsellor

Related Experiences

1. Study steps in emergency management followed in hospitals/institutions/schools.
2. Visit to a Counselling Centre.
3. Case study/Personal interview of people who have successfully survived disasters/traumatic situations.

References:

- Burnard, P. (1999).Counselling Skills Training, New Delhi, Viva Books.
- Manthei, R (1997) The Skills of finding solutions to problems, London, Routledge.
- Medecine Sans Frontiers-Handbook for a monthly course on trauma related problems, Trainers Manual (1997).
- Nicholson, D and Ayers, H (1995), Individual Counselling: Therapy and Practice: London, David Fulton.
- Schauer, M. (1999) Post Traumatic Stress and Extreme Stress, First aid kit for mental health teams, Macedonia, (1999).
- Sharma, S.P (2008) Career Guidance and Counselling—Principles and Techniques, Kanishka Publishers, New Delhi.

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**M.SC.DEGREE EXAMINATION
THIRD SEMESTER**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM3CMC-CRISIS MANAGEMENT AND COUNSELLING

Unit	Weight 1	Weight 2	Weight 5	Total Wt = 30
	5/8	5/8	3/6	13/22
1	3	1		4 questions
2	1	3	1	5 questions
3	1	2	1	4 questions

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4	1	1	1	3 questions
5	1	1	1	3 questions
6	1		2	3 questions

(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
THIRD SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM3CMC-CRISIS MANAGEMENT AND COUNSELING
(2014 Admission Onwards)**

Time : 3 Hours

Maximum – 30 Weightage

PART A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. What do you mean by the term natural disaster?
2. Importance of Group Counseling.
3. Define Crisis.
4. With relevant example, explain two changes produced by a crisis situation.
5. What do you understand by a pre- crisis phase?
6. Give examples of man made crises.
7. What is mitigation?
8. List any 6 qualities of a counsellor?

(5 x1= 5 weightage)

PART B

II. Answer any FIVE questions, not exceeding two pages. Each question carries a weightage of 2

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9. What are the characteristics of crisis situations?
10. Explain briefly the stages in the process of loss/ bereavement.
11. What are the common physical responses to stressful situations?
12. Bring out the significance of a crisis management plan.
13. What is the importance of the initial crisis response?
14. With a suitable example explain the steps taken for recovery in a man made crisis.
15. Discuss the process of efficient decision making.
16. Write a brief note on coping skills?

(5x2 = 10 weightage)

PART C

III. Answer any THREE questions, not exceeding three pages. Each question carries a weightage of 5

17. Briefly discuss a crisis management plan that could be taken in an institution in view of a fire breakout.
18. Explain the phases of a disaster management plan with a suitable example.
19. Explain briefly the various steps used to resolve a family crisis situation.
20. Discuss the qualities and skills of an effective counselor.
21. Define Counseling. Bring out the elements and purpose of counseling.
22. How will you educate youth to counteract stressful situations?

(3 x 5 = 15weightage)

HOSPITALITY ADMINISTRATION

Course Code: HRM3HA

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To develop skill in managing accommodation department and dealing with the procedures
- To know the organizational and procedural aspects of front office and housekeeping departments of hospitality institutions
- To identify the need and use of different tools and equipments belonging to the two departments
- To develop social skills and effective communication in dealing with guests, colleagues and management

Course Outline

Module 1: Introduction to hospitality and hotel industry and tourism

Classification of hotels and other hospitality Institutions, importance of tourism for hospitality industry, types of operations, Hostess training

Module 2: Organisation of departments

Departmental classifications, numbering of rooms and food plans, room types and rates, Tariff structure, rate policies

Module 3: Front Office and Guest reservation

Importance of the department, Layout and planning, Staffing pattern and duties, Basic Terminology used in the department, Qualities and etiquettes of front office staff

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Module 4: Basic reservation system

VIP Procedures, Computerized reservation forecasting, Cancellation, penalty, Arrival and departure, C-Form, procedures of check- in and check-out, Key handling and control, Luggage handling, Book Keeping and Record Maintenance, Lobby management, Public relations, Co-ordination and communication of front office with other departments

Module 5: Records for control

Importance of reports, the front desk log, maintaining room status, maintaining account balance, monitoring availability, electronic front office, electronic point sale system, room status indicator, accounting equipment

Module 6: Housekeeping

Importance and need of Housekeeping Department, Organisation and duties, Hierarchy and Job descriptions, Layout, Inter-departmental coordination and communication, Interrelationship with Personnel Department: Importance and functions, Manpower planning, Recruitment, training and appraisals

Module 7: Linen room and Laundry management

Classification and selection of linen, par stock determination, storage, distribution and control of linen and uniforms, condemnation and reuse, bed making and turning down, Layout and physical attributes of Linen room and storage and laundry, Staff and duties, wet and dry washing, finishing processes and stain removal

Module 8: Upkeep, Sanitation and hygiene

Cleaning Guest rooms and service areas, Rules, procedures and principles, Methods of Cleaning of various materials, types of room cleaning- daily, weekly, spring cleaning etc. Equipments, cleaning agents and maid's trolley, Sterilization, disinfection, Control of infestation, Integrated Waste Management (IWM), Room inspection checklist, repair and maintenance, Refrigeration and A/C, Public address system and music

Module 9: Aesthetic treatments of Interior environment

Interior decoration in Commercial / hospitality areas, window treatments, Selection and care of Furniture, furnishings, lighting and accessories, Floral decorations and table setting and layout, Indoor gardens and Landscaping

Module 10 : Safety Education and First Aid

For shock, fainting, stroke, burns, fits, heart attack, etc. Safety measures, fire preventions and control, accident prevention, security measures

Related Experience:

1. Visit to front office and housekeeping departments of various institutions

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2. Role play of guest handling / First Aid / Hostess duties / etiquettes
3. Practical Bed making / Table setting / Flower Arrangement / Curtain Styles
4. Internship in Housekeeping/ Front Office at any Institution/ Preparation of modules for training housekeeping attendants

Reference:

- Andrews S., (2000) Hotel Front Office Training Manual, Tata Mc Graw Hill Publications, New Delhi
- Andrews S., (2000) Hotel Housekeeping Training Manual, Tata Mc Graw Hill Publications, New Delhi
- Ball S. et al, (2003) Hospitality Operation-A System Approach, Thomson Learning, U. K.
- Branson J.C. and Lennox M., (1988) Hotel, Hostel and Hospital Housekeeping, Edward Arnold Publishers, London
- Express Health Care Management
- Ismail A., Front Office –Operations and Management, Thomson and Delmar Publishers, Canada
- Krishna, B. And Churchland, S., (2004) Hotel Accommodation and Operations, Indo-Swiss Publishers, Mumbai
- Negi J., (1997) Professional Hotel Management, S, Chand Company, N. Delhi
- Raghubalan and Smritee Raghubalan, Hotel Housekeeping- Operations and Management, Oxford University Press, New Delhi

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M.SC.DEGREE EXAMINATION

THIRD SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM3HA-HOSPITALITY ADMINISTRATION

Units	Hours	Weightage 1 5/8	Weightage 2 5/8	Weightage 5 3/6	Total 30
1.	6	1	1		2
2.	6	1			1
3.	8		1	1	2
4.	10	1	1	1	3
5.	10	1	1		2
6.	10	1	1	1	3
7.	12	1	1	1	3

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8.	12	1	1	1	3
9.	10		1	1	2
10.	6	1			1
Total	90				13 / 22

(MODEL QUESTION PAPER)

M.SC.DEGREE EXAMINATION

THIRD SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM3HA - HOSPITALITY ADMINISTRATION
(2014 Admission Onwards)**

Time- 3 hours

Maximum- 30 weightage

Part- A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. Substantiate the statement 'the growth of tourism in a country is vital for hospitality industry'.
2. Describe the first aid for burns and scalds.
3. Classify different types of linen and its management in hotels
4. Write short notes on 'Manning' and 'job description' and 'job specification'
5. Draw a maid's trolley and list out its contents
6. Give an account on electronic front office and its benefits
7. What do you mean by room rates and tariff structures?
8. Explain the importance of C form and its contents

(5 x 1 = 5 weightage)

Part -B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. Explain the different types of gardens both indoor and outdoor suitable for Institutions
10. Elaborate on the condemnation and reuse of linen

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11. Write the procedure of guest room cleaning and staff protocol to be followed therein
12. Elucidate on the check in and checkout procedures?
13. Describe the qualities and etiquettes of front office staff
14. What is book keeping? Enlist the records to be maintained in front office and housekeeping departments
15. Discuss with the help of a diagram the interdepartmental coordination of Housekeeping Department
16. State the role and importance of hostess training and give a detailed account of it.

(5 x 2 = 10 weightage)

Part –C

III. Answer any three questions not exceeding three pages. Each question carries a weightage of 5.

17. Describe with the help of an illustration the layout of front office department and explain the duties of front office staff.
18. Elucidate on the various training programmes provided to staff in hospitality industry mentioning the purpose of each.
19. Elaborate on appropriate Waste Management techniques to be adopted in hospitality institutions
20. What are the different window dressings suitable for restaurants and food service areas? Give supportive figures.
21. What is book keeping? Enlist the records to be maintained in front office and housekeeping departments
22. Elaborate on the classification and selection of linen and other furnishing materials

(3 x 5 = 15 weightage)

SCIENTIFIC WRITING AND PROJECT FORMULATION

Course Code: HRM3SPF

Teaching hours: 5hrs/week

COR

Credit: 4

Objectives:

- To be able to appreciate and understand importance of writing scientifically.
- To develop competence in writing and abstracting skills.

Course Outline

Module 1: Scientific writing as a means of communication

Different forms of scientific writing. Articles in journals, Research notes and reports, Review articles, Monographs; Dissertations, Bibliographies, Book chapters and articles

Module 2: How to formulate outlines

The reasons for preparing outlines: as a guide for plan of writing, as skeleton for the manuscript, Kinds of outlines, Topic outlines, Conceptual outline, Sentence outlines, Combination of topic and sentence outlines

Module 3: Drafting titles, Sub titles, tables, illustrations

Preliminary processing of data, Classification and organization of data, Objectives of classification, Tabulation of data, General rules of tabulation; Tables, Parts of a table, Types of tables; Representation of data – Significance of diagrams and graphs, Types of diagrams and graphs, advantages and limitations

Module 4: The writing process

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Getting started, Use outlines as a starting device, Drafting, Reflecting, re-reading ; Checking organization, Checking headings, Checking content, Checking clarity; Checking grammar, Brevity and precision in writing, Drafting and re-drafting based on critical evaluation

Module 5: Parts of dissertation/research report/article

Introduction, Review of literature, Methods, Results and discussion, Summary and abstract, References. Ask questions related to: content, continuity, clarity, validity, internal consistency and objectivity during writing each of the above parts.

Module 6: Writing for Grants

The question to be addressed, Rationale and importance of the question being addressed, Empirical and theoretical framework, Presenting pilot study/data or background information, Research proposal and time frame; Speciality of methodology, Organization of different phases of study, Expected outcome of study and its implications, Budgeting, Available infra-structure and resources, Executive summary

References

- APA (1994). Publication Manual of American Psychological Association (4th Edition), Washington: APA.
- Cooper, H.M. (1990) Integrating research: A guide for literature reviews (2nd Edition). California: Sage.
- Dunn, F.V. & Others. (Ed.) (1994). Disseminating Research: Changing Practice, NY: Sage.
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- Mullins. C.J. (1977). A guide to writing and publishing in social and behavioural sciences. New York: John Wiley & Sons.
- Richardson, L. (1990) Writing strategies. Reaching diverse audience. California: Sage.
- Sternberg, R.J. (1991), The Psychologist's Companion: A Guide to Scientific Writing for Students & Researchers, Cambridge: CUP.
- Thyer, B.A. (1994) Successful publishing in scholarly journals. California: Sage.
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M.SC.DEGREE EXAMINATION

THIRD SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM3SPF-SCIENTIFIC WRITING AND PROJECT FORMULATION

**Dept. of Home Science, St. Teresa's College
(Autonomous), Ernakulam**

Units	Hours	Part A (1weightage) 5/8	Part B (2 weightage) 5/8	Part C (5 weightage) 3/6	Total 30 weightage
1	10	2	1	1	9
2	15	1	1	1	8
3	20	2	2	1	11
4	15	1	2	1	10
5	15	1	1	1	8
6	15	1	1	1	8

(MODEL QUESTION PAPER)

**M.SC. DEGREE EXAMINATION
THIRD SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM3SPF- SCIENTIFIC WRITING AND PROJECT FORMULATION
(2014 Admission Onwards)**

Time- 3 hours

Maximum- 30 weightage

PART A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of

1

1. Dissertation
2. Sentence outline.
3. Editorial
4. Parts of a table
5. Drafting
6. Rationale
7. Project report.
8. Pilot Study

(5x1=5 weightage)

PART B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. Explain different types of table.
10. Bring out the importance of outline as a guide to plan writing?
11. Explain executive summary.
12. What are the objectives of classification of data?
13. List the importance of Editing?

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14. What is the significance of budgeting in grant proposal?
15. Briefly explain importance of review of literature in writing scientific article .
16. What is the difference between book chapters and articles?

(5x2=10 weightage)

PART C

III. Answer any THREE questions not exceeding three pages. Each question carries a weightage of 5.

17. Explain the following, citing their advantages, limitations and areas of application
(a) Monograph (b) Thesis
18. Choose a research topic related to your field of study and write a research proposal in topic relevant to your subject.
19. Briefly explain the parts of a Project proposal.
20. What are the salient points to be borne in mind while writing original research articles for journals?
21. Briefly explain different types of outlines while reporting a research finding.
22. Elaborate the objective of Scientific writing and explain its relevance in academics

(3 x 5=15 weightage)

INTERIOR DECORATION AND CREATIVE ART (PRACTICAL)

Course Code: HRM3IDCA

Teaching hours: 5hrs/week

Credit: 2

COR

Objectives:

- To develop skills in various art processes
- To appreciate the aesthetic elements involved in the art process
- To develop skill in decorating home

Course Outline

Module 1

Development of motifs and patterns based on various types of design

Module 2

Application of elements and principles of design

Module 3

Colouring exercises with primary, secondary and standard colours, Prang's colour system, use of colour harmonies in room interiors, blending of colours to observe the effect of colour on each other.

Module 4

Basics of fine arts – drawing, painting, sculpture and photography

Module 5

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Creation of art objects – collage work, flower making, decoupage, greeting cards, stencil printing, glass painting, candle making, pot painting, batik printing, quilling, vegetable carving, wealth from waste etc (any 6)

Module 6

Flower arrangements- selection of flowers, vases and tools needed, principles , techniques, creation of basic shapes, Ikebana

Module 7

Bouquet making, Gift wrapping, picture mounting

VIVA

References

- Kasu, A (2005) Interior design, Ashis Book Centre, Mumbai
- Khanna G, Art of Interior Design, Indica Publishers, Delhi
- Pratap Rao M. , (2001) Interior Design –Principles and Practice, Standard Publishers and Distributors, N. Delhi

INTERIOR DECORATION AND CREATIVE ART (PRACTICAL)

HRM3IDCA(P)

SCHEME OF VALUATION

PRACTICAL – EXTERNAL - 15 WT (RECORD – 10 WT., VIVA– 5 WT.)

COMPONENTS OF RECORD VALUATION – 10 WT

1. Development of motifs and patterns based on various types of design, Application of elements, principles of design and colouring exercises - 3 wt
2. Basics of fine arts & Creation of art objects – 4wt
3. Flower Arrangements , Bouquet Making, Gift wrapping & Picture mounting – 3 wt

COMPONENTS OF VIVA VALUATION - 5 wt

4. Understanding of concepts studied, Knowledge of subject matter- 4 wt
5. Clarity and presentation – 1 wt

SEMESTER IV

LANDSCAPING AND FLORICULTURE

Course Code: HRM4LF

Teaching hours: 5hrs/week

ELECTI

Credit: 4

Objectives:

- To enable students to gain knowledge on landscape gardening and its appropriate application
- To acquire skills in cultivation of different garden plants.
- To instill entrepreneurial skill in floriculture and nursery management

Course Outline

Module 1: Landscape gardening:

Meaning and importance of landscaping, principles of landscape gardening, components of landscape design, Principles of external space organization. Styles in landscape gardening - layout of formal, informal and small, medium, large gardens. English, Italian, French, Persian, Mughal and Japanese garden

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Module 2: Modern trends in gardening

Indoor gardening – Identification and selection of indoor plants, care and maintenance, display and placement ; Bonsai – styles, identification of suitable plants, containers, techniques - pruning, nipping and wiring ; Terrarium/ bottle garden/ dish garden

Terrace gardening – Designing, selection of plants, water proofing and checking the strength of terrace slab, Kitchen gardening - Design, types of vegetables grown ; Water garden and rockery

Module 3: Ornamental plants:

Herbs – annuals and biennials, flower beds, ground covers; Shrubs – flowering and foliage, climbers, creepers, perennials – bulbs, tubers, ferns, succulents, cacti, ornamental grass, bamboo and palm; Trees – arboriculture, importance and value of trees, selection, planting, maintenance and care, role of trees in landscaping.

Module 4: Garden components

Garden pavements, borders, hedges, edges, trophy, topiary and garden adornments Lawns: Importance of lawn, methods of lawn making, maintenance and care, type of lawn grasses.

Module 5: Commercial Floriculture

Importance, scope and significance, perfume industry, flower pigments, aromatherapy, flower trade, cut flowers, post harvest treatment and packaging of cut flowers.

Module 6: Floriculture promotion and extension:

Floriculture for income generation: Orchid, Anthurium, Jasmine and rose gardening, value addition in floriculture. Preservation techniques – Dry and fresh flowers and leaves.; Role of agri-horticulture societies, KVKS, Krishi Bhavan, horti crop, flower shows – exhibitions

Module 7: Soil Preparation and Plant Propagation

Garden tools and implements; Soil preparation : soil types, soil treatment, organic manures and fertilizers; Irrigation - methods and routine duties in a garden; Plant propagation – Types of Propagation - Seed propagation, vegetative propagation/asexual propagation – layering, cutting, grafting, budding; Micro propagation – tissue culturing; Care of plants – potting - repotting techniques, pruning, disbudding, defoliation, staking and mulching. Green house –components, types, care and maintenance

Module 8: Nursery Management

Nursery management – Definition, importance, types – small scale, large scale, planning, budgeting, layout and irrigation, Maintenance and management, personnel involved, export

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potential of horticultural products, loans and subsidies from banks and agencies. Marketing – packaging, transporting of nursery products.

Related Experience:-

1. Prepare the layout of a small/medium/large garden suitable for residential building
2. Prepare the layout of an ornamental garden for institutions/ public buildings/ industrial areas/ neighbourhood planning.
3. Collection of pictures of different garden styles
4. Visit to flower shows/ nurseries

References

- Aquaa George, Teaxt Book of Horticulture,
- Arora, J.S , Introductory Ornamental Horticulture
- Hunter MK and Hunter E.H , Indoor Garden Design
- Manibhushan Rao, Teaxt Book of Horticulture, Macmillan India Ltd., New Delhi
- Singh J Basic Horticulture
- Swarup, V. 1997, Ornamental Horticulture, Macmilan India Ltd., Chennai
- Trivedi PP, Home Gardening

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**M.SC.DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM4LF-LANDSCAPING AND FLORICULTURE**

UNITS	TEACHING HOURS	PART A (5/8) 1 WEIGHT	PART B (5/8) 2 WEIGHT	PART C (3/6) 5 WEIGHT	TOTAL (13/22) 30 WEIGHT
1.	15	1	2	1	10
2.	15	1	1	2	13
3.	12	1	1	1	8
4.	12	2	1	1	12
5.	08	0	1	0	2
6.	08	1	1	0	3
7.	12	1	1	1	8
8.	08	1	0	0	1

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(MODEL QUESTION PAPER)

**M.SC.DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM4LF-LANDSCAPING AND FLORICULTURE
(2014 Admission Onwards)**

Time- 3 hours

Maximum- 30 weightage

Part- A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. Explain Mughal Garden
2. What is pruning?
3. List out the plant used in water garden
4. Define perennials
5. Enumerate the role of agri-horticulture societies in floriculture
6. Explain drip irrigation
7. What are garden adornments?
8. Explain Garden pavements
9. Explain dry flower preservation techniques

(5 x 1 = 5 weightage)

Part –B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

10. What is terrarium? List out the steps in preparation of terrarium
11. Explain the role of trees in landscaping.
12. Enumerate the factors considered while selecting plants for landscaping
13. Explain various methods of lawn making
14. List out the salient features of French garden
15. Discuss the significance and scope of flowers in perfume industry
16. Explain value addition in floriculture
17. List out the routine duties in a garden

(5 x 2 = 10 weightage)

Part –C

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(Autonomous), Ernakulam**

III. Answer any three questions not exceeding three pages. Each question carries a weightage of 5.

18. Classify and discuss ornamental plants
19. Explain various garden components which add beauty to home garden
20. Explain the principles of external space organization in landscaping
21. Briefly explain various methods of vegetative propagation in ornamental plants
22. Discuss modern trends in terrace gardening
23. Explain nipping and wiring technique used for creating a bonsai

(3 x 5 = 15weightage)

**COMMERCIAL AND RESIDENTIAL INTERIOR SPACE
DESIGNING**

Course Code: HRM4CRI

Teaching hours: 5hrs/week

ELECTIV

Credit: 4

Objectives:

- To provide the students with thorough understanding of Interior schemes
- To equip students with adequate knowledge to design residential and commercial interiors considering interior design concepts
- To equip the students to take up the profession of interior designer / decorator
- To make the students understand the professional aspects of Interior Design

Course Outline

Module 1: Design for real world

General influence of architecture, spatial entities and spatial awareness, Style and symbolism, Design philosophies and influential designers, Understanding of life spaces from design point of view - Importance of life space, Factors influencing life space designing, Basics of space planning, Functional planning, classification of life spaces - group space, private space, support space, support systems

Module 2: Application of the theory of design

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Application of elements and principles of design in commercial and residential spaces, Importance and influence of colour in space, Development of colour schemes for spaces, Purposes and characteristics of spaces, Creation and use of Illusions

Module 3: Space organisation in residential / commercial areas

Space planning of residential areas – houses, flats, villas, condominiums, studio apartments, Space planning of commercial areas- hospitality areas, offices, hospitals, institutions, merchandising areas, Application of space saving techniques- Multipurpose spaces, furniture, illusions etc.

Module 4: Furniture, Furnishings and finishes

Factors to be considered while selection, purchase and use, Historical Approach and latest trends from the market

Module 5: Study of Specialised services in interiors

Acoustics, Air-conditioning, Commercial lighting, Communication system, Audio-visual system, Display systems, Security systems

Module 6: Applied Ergonomics in interior space designing

Study of human measurement (anthropometric data) in space designing, planning space with ergonomics principles, Environmental factors affecting work efficiency etc.

Module 7: Interior design as a profession

Role and career options of interior designer, importance and scope of interior designing in modern era, Client support features and consultancy services, CAD- Computer Aided Design Basics, 2D and 3 D drafting

Module 8: Trends in interior design

Study of traditional design and decorations, Latest and current trends in design and decorations, Factors influencing change, Design trends from around the world

Related experience:

1. Visits to Commercial and Residential Interiors
2. Collection and documentation of figures and photographs of furniture, furnishing, accessories etc.
3. Evaluation of multipurpose and various functional spaces and furniture
4. Training in CAD- Computer Aided Design Basics, 2D and 3 D drafting/ 3D MAX/MAYA
5. Field trips/ Internship/ Attending Seminars, workshops or exhibitions

References:

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- Alexander M.J., Designing Interior Environment, Alan Blane B.T. Batsford Ltd., London
- Arora and Bindra , Building Construction
- Bureau International – The Manual of Modern Office Space
- Dutt D.R., How best to plan and build your home, Pustak Mahal, Delhi
- Faulkner R. and Faulkner S. , Inside Today's Home, Holt, Rinehart and Winston, London
- Fevicraft – A Journal of Crafts and Arts , Pidilite Industries Ltd. , Mumbai
- Hepler, D. E. & Wallach, P. I. ; Architecture Drafting and Design , Mc Graw Hill Book Co. , London
- Kasu, A (2005) Interior design, Ashis Book Centre, Mumbai
- Kerala Building Rules(KBR)
- Noyes ; (2001) Designing for Humans , Jan – Taylor & Francis Inc, New York
- Punmia B.C. (1993) Building Construction, Laxmi Publications, N. Delhi
- Rangwala S.C., Town Planning, Charotar books, Anand
- Shah, et.al., Building Drawing, Tata Mc Graw Hill, Mumbai

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**M.SC.DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM4CRI- COMMERCIAL AND RESIDENTIAL INTERIOR SPACE
DESIGNING**

Units	Hours	Part A	Part B	Part C	Total 30 wt
		1 wt 5 / 8	2 wt 5/8	5 wt 3/6	
1.	16	1	2	1	28
2.	16	1	2	1	28
3.	10	1	1		8
4.	12	1	1	1	23
5.	10	1	1		8
6.	14	1	1	1	23
7.	12	1	1		8

**(MODEL QUESTION PAPER)
M.SC.DEGREE EXAMINATION
FOURTH SEMESTER**

**Dept. of Home Science, St. Teresa's College
(Autonomous), Ernakulam**

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

**HRM4CRI- COMMERCIAL AND RESIDENTIAL INTERIOR SPACE
DESIGNING**

(2014 Admission Onwards)

Time- 3 hours

Maximum- 30 weightage

Part- A

I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1

1. What is the importance of life space for personal development?
2. Briefly state the role of elements of design in space designing
3. Enlist the characteristics of public areas in commercial spaces
4. Differentiate between style and symbolism
5. Write on the factors to be considered while selection of furnishings for dining areas
6. Comment on the relevance of Anthropometric data in space designing
7. Discuss on the scope of Computer Aided Designing
8. Give an account on the following: Alpana, Rangoli, Kolam

(5 X 1 = 5 weightage)

Part –B

II. Answer any FIVE questions not exceeding two pages. Each question carries a weightage of 2.

9. Elaborate on the importance and scope of interior designing in modern era
10. Write about Ancient Indian Interior Designing
11. What are the factors influencing life space planning?
12. Critically evaluate the modern day furniture
13. What is Acoustics? How does it help in improving interior quality?
14. Describe the support spaces and systems in today's homes
15. Give an account on modern materials and techniques for decorations for special occasions
16. Explain the different intercommunication systems

(5 X 2 = 10 weightage)

Part –C

III. Answer any three questions not exceeding three pages. Each question carries a weightage of 5.

17. Elaborate on how the modern day designing is indebted to ancient architecture and design
18. How can you create and use illusions to enhance problem spaces in homes? Explain with suitable figures

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19. What are display systems? Describe the role of display systems in improving the comfort level and productivity of commercial establishments.

20. Write about the different types of lighting. Elucidate on lighting for merchandising spaces

21. Develop and draw the design for children's room complete with an elevation including furniture details

22. Write about any three of the modern day designers with special reference to their commendable works

(3 X 5= 15 weightage)

WOMEN'S STUDIES

Course Code: HRM4WS

Teaching hours: 5 hrs / week

ELECTI

Credit: 4

Objectives

- To create an awareness among the students about the status of women in India.
- To familiarize with the issues and problems of women
- To motivate students to work for the betterment of women

Course Outline

Module 1: Introduction

The Concept and Significance of Women's Studies; Scope of Women's Studies; Women's Studies as an academic discipline; Women's Movements- Pre independent, Post independent and Current women movements; Need for empowerment of women.

Module 2: Status of women in India

Demographic profile of women with reference to health, education, employment, social and political aspects; Gender bias; The Indian girl child; The changing role of women

Module 3: Special Issues and Problems

Infanticide, Foeticide, Dowry, Domestic violence, Sexual harassment and abuse, Child Marriage, Portrayal of women in mass media. Women in distress: Single, Widowed, and Divorced women, Unmarried mothers. Maternal and reproductive health issues

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Module 4: Women in workforce

Concept of work- productive and non productive work; Use value and market value; Women in organized and unorganized sectors, Special problems and needs; Gender division of work; Micro enterprises and women entrepreneurship development; NGOs and women development; Globalization and impact on women's employment; Role of SHGs

Module 5: Women and Law

Indian constitution and provisions relating to women; Need for legal literacy, Laws pertaining to Marriage, Divorce, Dowry, Succession/Property rights, Sexual abuse, Immoral Traffic, and Abortion, Indecent Representation of Women Act 1986, Family courts, Enforcement machinery – Police and Judiciary. Human Rights as Womens Rights

Module 6: Developmental Programmes for Women

Services for protection, care and rehabilitation, Poverty alleviation and economic empowerment, Nutrition and health care programmes, Education and legal literacy. National and State Commissions for women

Related experiences

1. Visit to an institution providing care and support to needy women
2. Debate on the pros and cons of dowry
3. Interact with women in a self-help group and understand its functioning.
4. Visit to any unit for women in a self-help group and understand its functioning
5. Visit to any unit of women entrepreneurs.
6. Discuss the procedure for availing help by women in distress.

References

- Ashok S Kolaskaer and Motilal Dash (2012), Women and Society; The Road To Change, Oxford University press.
- Charu Gupta (2012), Gendering Colonial India, Reforms, Print, Caste and Communalism, Orient blackswan
- Mary E. John ed. (2008), *Women's Studies in India: A Reader*, New Delhi: Penguin Books India,

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**M.SC.DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM4WS- WOMEN'S STUDIES**

UNIT	Hours 90	1Weightage	2Weightage	5 Weightage	Total Weightage 30
		PART A (5 /8 questions)	PART B (5 /8questions)	PART C (3/6 questions)	
1.	10	1	1	1	8
2.	15	1	2	1	10
3.	15	2	1	1	9
4.	15	1	1	1	8
5.	15	1	2	1	10
6.	20	2	1	1	9

(MODEL QUESTION PAPER)

**M.SC. DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM4WS- WOMEN'S STUDIES
(2014 Admission Onwards)**

Time- 3 hours

Maximum- 30 weightage

PART A

- I. Answer any FIVE questions, not exceeding one page. Each question carries a weightage of 1.

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1. National commission for Women
2. Micro Credit
3. Empowerment of women
4. Family welfare
5. Self Help Group
6. Role of Primary Health centers
7. Participation of women in Pan
8. Domestic violence.

(5x 1= 5 weightage)

PART B

II. Answer any FIVE questions not exceeding two pages .Each question carries a weightage of 2.

9. State the significance of legal literacy for Women. List two measures to achieve legal literacy
10. Elaborate on the literacy level of women in India .What are the advantages of increasing the literacy rate?
11. List any four factors that hinder women from entering the political field.
12. Examine the role of women's organizations for the empowerment of women. Substantiate your answer with example of any two organizations.
13. The crime against women are on the rise –Justify
14. "All women's rights are human rights". - Explain the statement
15. Elaborate the economic programmes for women in Kerala.
16. How far the government policies are useful in the emancipation of women in India

(5 x 2= 10 weightage)

PART C

III. Answer any three questions not exceeding three pages .Each question carries a weightage of 5.

17. Discuss the role of National Rural Health Mission in improving the Health Status of women in India
18. What is meant by economic empowerment? Discuss based on the employment categories of women.
19. Critically review the policies of development relating to women in India
20. Discuss the change in status of women in the Indian community
21. Discuss the influence of Illiteracy and low literacy on status of women. Write on any programme for support of women's education

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22. Discuss the development strategies that essential for the empowerment of women in India.

(3 x 5= 15 weightage)

ENTREPRENEURSHIP MANAGEMENT

Course Code: HRM4EM

Teaching hours: 4hrs/week

ELECTIV

Credit: 4

Objectives:

- To gain an understanding of the various aspects and types of business organizations
- To impart information on the various sources of finance and also on the process of setting up small enterprise.
- To enable students to understand the relevance of entrepreneurship and to develop effective entrepreneurship skills among students.

Course Outline

Module 1: Entrepreneurship and its development

Entrepreneurship-Definition, types, characteristics, Entrepreneurship development for employment generation- importance, Factors affecting entrepreneurial growth- economic, social, cultural and personal factors.

Module 2: Women and Employment

Women employment in India - categories of employment, problems related to employment, Unemployment in India- causes & remedies, Importance of self employment.

Module 3: Forms of Entrepreneurial Organizations

Scope and Objectives of modern business, Essentials of successful business, Sole proprietorship, Partnership, Joint Stock company, State enterprises and Co-operative

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societies – meaning, merits and demerits of each, Types of important documents of companies

Module 4: Entrepreneurship and Institutional support

Objectives, functions and assistance given by SIDCO, SIDO, SFCK, IDBI, SIDBI, KSIDC, KSWDC, KITCO, SEWA,SGSY (Swarnjayanti Gram Swarozgar Yojana), JGSY (Jawahar Gram Samridhi Yojana) , Agencies promoting entrepreneurship – role of NSIC (National Small Industry Corporation) , Small Industry Extension Training Institute (SIETI) , Central Small Industry Organisation (CSIO) DCK, DRDA, KVIC (Khadi and Village Industry Commission) and other voluntary organizations, Small Scale Industries (SSI) - Definition, types, procedure for setting a small scale unit, training facilities for small scale unit, Problems faced by emerging small scale units and remedies

Module 5: Source of Finance

Importance of finance- sources of company finance - long term and short term, Role of banks and other financial institutions, Basics of Costs and Cost Control, Project Appraisal

Module 6: Book keeping & Accounting

Concepts and Basics of accounting methods- Journal and ledger, balancing, trial balance, cash book, subsidiary books, Brief study of Financial Statements, Basics of Auditing , Sales Tax- meaning and types, Registration of business, turnover, filing & assessment of returns.

Module 7: Marketing & Sales promotion

Marketing- Marketing mix, Functions, types, Advertising & Salesmanship, Public relations, Personal selling, Interpersonal skills, factors affecting the entrepreneur's skill

RELATED EXPERIENCE:

1. Visits to agencies involved in development of entrepreneurship
2. Preparation of a project proposal by
3. Selection of a trade
4. Visits to 1 or 2 units related to trade
5. Study the infrastructural requirements
6. Records to be maintained
7. Procedure for obtaining loan

References

**Dept. of Home Science, St. Teresa's College
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- Gupta C.B. (Dr.), Office Organization and Management, Sultan Chand & Sons, New Delhi, (1999)
- Kanikar Entrepreneurs and Micro Enterprises in Rural India, New Age International Publishers Ltd., New Delhi (1995)
- Khanka S.S, Entrepreneurial Development, S.Chand & Co.Ltd., New Delhi, (1999)
- Ramesh Babbu's Handbook of Entrepreneurs, Business Intelligence Publications
- Sherlekar S.A, Principles of Business Management, Himalaya Publishing house, New Delhi, (1999)
- Shukla M.C., Business Organisation, S. Chand & Co. New Delhi, (1970)

BLUEPRINT

**M.SC.DEGREE EXAMINATION
FOURTH SEMESTER
HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING
HRM4EM-ENTREPRENEURSHIP MANAGEMENT**

Module	No. of hours	Section A (5/8) 1 wt	Section B (6/8) 2 wt	Section C (3/6) 5 wt	Total 30 wt
1.	5	1	1	0	3
2.	5	1	1	1	8
3.	10	1	1	1	8
4.	10	1	1	1	8
5.	10	1	1	1	8
6.	15	2	2	1	11
7.	10	1	1	1	8

(MODEL QUESTION PAPER)

M.SC.DEGREE EXAMINATION

**Dept. of Home Science, St. Teresa's College
(Autonomous), Ernakulam**

FOURTH SEMESTER

**HOME SCIENCE BRANCH B: RESOURCE MANAGEMENT AND INTERIOR
DESIGNING**

HRM4EM-ENTREPRENEURSHIP MANAGEMENT

(2014 Admission Onwards)

Time: Three Hours

Maximum: 30 weightage

PART A

I. Answer any five of the following (1 weightage each).

1. Define entrepreneurship and its importance.
2. What is Joint Stock Company?
3. Explain balance sheet.
4. What is auditing?
5. Define women entrepreneur?
6. What are the benefits of self employment?
7. Explain the importance of advertising.
8. Describe a Fabian entrepreneur.

(5x1 = 5 weightage)

PART B

II. Answer any six of the following (2 weightage each).

9. What are the objectives of KITCO?
10. What are the problems faced by small scale industries? Write a note on its remedies.
11. What are the accounting methods?
12. Explain the procedure for registration of a business.
13. Explain any 5 types of enterprises.
14. Explain the contents of a project proposal.
15. What are the important documents of companies?
16. What are different types of tax?

(5x 2 =10 weightage)

PART C

III. Answer any three of the following (5 weightage each).

17. What is marketing? What are the different types of marketing techniques? Explain its merits and demerits.
18. Explain the concept of small scale industries. What are the steps in setting up a small scale industry?

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19. What do you mean by marketing mix? What is the importance of public relation in marketing.
20. Elaborate the functions, role and support of following organizations
(a) IDBI (b) KITCO (c) KVIC
21. Prepare a project proposal for starting a handicrafts unit in your locality.
22. What are the causes and remedies of unemployment in India?

(3x5 =15 weightage)

SPACE PLANNING AND DESIGNING (PRACTICAL)

Course Code: HRM4SPD (P)

Teaching hours: 6hrs/week

ELECTI

Credit: 3

Objectives:

- To enable students to: Develop the skill in visualising and drawing various Interior schemes considering interior design concepts
- Develop the skill of execute the visuals into concrete spaces
- To make students understand the professional aspects of Interior Design

Course Outline

Module 1: Techniques of Engineering Drawings

Familiarising with Tools, Methods, Basic elements – paper sizes, lines, lettering, scales and measurements, symbols and abbreviations, Tracing, Shading and sciagraphy, `

Module 2: Projection Techniques and Interior Design Methodology

Preparation of Plans, elevations and sections, Metric Drawings- Isometric, axonometric and Oblique, Perspective drawings- One Point and Two point, Rendering techniques, Preparation of Bubble diagram, Line drawing, Drawings to scale, Working drawings – elevation and sections

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Module 3: Fundamentals of Interior Designing

Exercises in Space planning and Organisation, Anthropometry in work space and furniture design, Drawing the Building components- Foundation, floor, wall, roof, ceiling, doors, windows and other openings, stairs and other means of vertical transport, Service features- plumbing and drainage layout, electrical layout, Furniture designing - Joinery sketches, Drawing furniture using different techniques, Designing Multipurpose furniture, estimating cost

Module 4: Study of Design Sources from History

Design Review of Precedents in Architecture - Egyptian, Greek, Roman, Chinese, Gothic, Renaissance, Indian- Hindu, Jain, Buddhist, Mughal, Colonial, Modern architecture, Post-Modernism

Module 5: Design communication and representational techniques

Exercises in Visualisation, Creation of Mood and Illusion, Model making, Presentations to sell ideas and concepts

Module 6: Residential space planning

Case Study of a residential space design, Preparation of a residential project, Theme wise Interior setting up of various rooms of the Practical Lab

Module 7: Commercial space planning and Decorations for special occasions

Case Study of a commercial space design, Preparation of a commercial project, Dias decorations, Decorations for festivals, Window and shop displays

VIVA

Reference:

- Callender J.H. and Chiara J., Time Saver Standards for Architectural Design Data, Mc Graw Hill, London
- Faulkner R. and Faulkner S. (1975), Inside Today's Home, Holt, Rinehart and Winston, London
- Fletcher B. (Sir), A History of Architecture
- Gill R.W. (1973) The Thames and Hudson Manual of Rendering with Pen and Ink, Thames and Hudson, London
- Gilliatt M. (1981), The Decorating Book, Dorling Kindersley, London
- Kasu, A (2005) Interior design, Ashis Book Centre, Mumbai
- Oliver Heath (2004) Oliver Heath's Home Book, Cassel Illustrated, Britain

**SCHEME FOR SPACE PLANNING AND DESIGNING (PRACTICAL) HRM4SPD(P) –
VALUATION (TOTAL-15 weightage)**

i. COMPONENTS OF RECORD VALUATION - 10 weightage

Sections:

Module 1: Techniques of Engineering Drawings	- 1wt
Module 2: Projection Techniques and Interior Design Methodology	- 2 wt
Module 3: Fundamentals of Interior Designing	– 1 wt
Module 4: Study of Design Sources from History	-1 wt
Module 5: Design communication and representational techniques	- 1 wt
Module 6: Residential space planning	- 2wt
Module 7: Commercial space planning and Decorations for special occasions-	2wt

ii. COMPONENTS OF VIVA: conducted on Questions relevant to work done in record – 5 weightage

- Knowledge of subject** **-3 wt**
- Communication Skill** **-1 wt**
- General Poise** **-1 wt**

iii. Total Weightage **Record+ Viva** **= 15wt.**

DEVELOPMENTAL COMMUNICATION AND EXTENSION

Course Code: HRM4DCE

Teaching hours: 6hrs/week

ELECTI

Credit: 3

Objectives:

- To make the students understand the various facets of communication and its significance for extension and national development.
- To make the students understand different forms of media and ways to promote them
- To help students to learn to handle different.
- To help students to understand the principles of administration, co-ordination and Supervision in Extension.
- To become aware of the administrative structure of the Rural Development Programme in India.
- To understand basic elements in extension management.

Course Outline

Module 1: Development communication

Definition and understanding of development communication, Non development Communication vs development communication, Development problems of developing countries; Objectives of development communication, Communication for human development; Planning development communication. Promotion of Development Communication ; Government efforts: Role of Government agencies like Akashwani,

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DAVP, IEC Bureau, Resource Centers, IIMC, Songs and Drama Division etc. ; Non-Government effort: Role of NGOs in development. Community Effort: Role of Agencies of local self Government and local organization. Recent advances.

Module 2: Extension Administration and Supervision

Concept: The meaning. Nature and purpose of administration in extension and rural development; Principles of administration and organization; Management: meaning, nature and task of management. Structure of organization: Types, uses of centralization and decentralization, issues of delegation, authority and power. Co-ordination: Meaning, needs types and methods of bringing about co-ordination in extension administration' Supervision: Meaning, importance and methods of supervision. Human Resource Development in extension organization. Extension Administration and Management: The administrative set up, functions and specific programmes of various departments.

Module 3: Presentation skills

Use of visuals during presentation, Roles of visuals in communication; Clarity of message and image, Designing artwork in visuals, Oral presentation techniques, Organising message, Stage craft and delivery, Principles for effective delivery

Module 4: Facilitation skills development

Role of the facilitator, Balancing multiple responsibilities, Range of communication techniques, Building confidence, Addressing difficult behaviour; Techniques of facilitation: Asking Open-ended questions, Balancing the discussion; Reflective listening, Drawing people out – encouragement; Sequencing / stacking / tracking, Intentional silence; Reframing, Finding common ground

Module 5: Information & Communication Technology (ICT) and Rural Development

Introduction to ICT education, Various ICT tools and their uses , Roles of ICT in rural development, Research and development in ICT, Management of ICT , ICT as an alternative extension approach

Module 6: Mass media

Introduction to mass media, Types and roles of broadcast media, Types and roles of print media, Types and roles of screen media, Mass media in extension, Media and communication in Ministry of Agriculture

References:

- Melcote. S.R.: Communication for Development in the Third World – Theory and Practice, Sage Publications, New Delhi, 1991.
- Mehta SR (Ed.): Communication and Development: Issuer and Perspective, Rawat Publications, Jaipur – 1992.
- Modi Bella: Designing Message for Development Communication and Audience Participation- Based Approach, Sage Publications, New Delhi- 1991.

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- Melcote, S.R. and Vallath C.: Communication Gap in Development, Rawat Publications, Jaipur – 1992.
- Nair K.S. and White Shirley (Eds.) Perspective of Development Communication. Sage Publications, New Delhi – 1993.
- Dua, M.R. and Gupta V.S.: Media and Development, AMIC Singapole and Har Anand Publications, New Delhi – 1994.
- Dc, D: A Handbook of Extension Education, Agrobios, Jodhpur, 2010.
- Govind and Tamilsalvi: Extion Education and Rural Development, Agrobios, 2010.
- Dahama, O.P. and Bhatnagar O.P. Education and Communication for Development. Oxford and IBH Publishing 1980.
- Mishra, S.N. and Verma, B.M. Evaluation of Training of Rural Youth for Self Employment (TRYSEM) in Rajasthan, 1982.

TRAVEL AND TOURISM

Course Code: HRM4TT

Teaching hours: 6hrs/week

ELECTI

Credit: 3

Objectives:

- To familiarise the student with the fundamental concept/ growth and development of tourism
- To understand the role of different organizations for the management of Tourism
- To provide an insight into the industrial framework of various aspect of travel and tourism in India
- To identify the different types of tourism products both natural and man-made.

Course Outline

Module 1: Concepts and Trends in tourism

Concepts, Definition -Tourism, Tourist ,traveler, Excursionist, Visitor ; Elements and Components of tourism ; Measurement of tourism(tourism statistics) ; Forms and types of tourism - domestic, international, regional, inbound, outbound, Tourism net work and Interdisciplinary approaches to tourism

Module2: Tourism Industry and its structure

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Tourism Industry and its structure: attractions, accommodation, transportation, F&B, shopping, entertainment, infrastructure hospitality, Presents trends in domestic and global tourism ; Travel motivators and travel intermediaries ; Travel agencies and packages ; Travel formalities

Module 3: Assessment of tourism impact on destinations:

Economic, socio- cultural and ecological; Concept of carrying capacity, sustainable tourism development; Emerging areas of tourism: rural, eco, medical, pilgrimage, bollywood, golf etc.; Tourism Product Development

Module 4: Tourism organizations:

World Tourism Organisation(WTO), pacific Area Travel, Association(PATA), World Tourism & Travel Council, (WTTC), Role and function of Ministry of Tourism, Govt. of India, ITDC, Department of Kerala Tourism, FHRAI, IHA, IATA.

Module 5: Overview of five year plans

Overview of five year plans with special reference to 10th & 11th five year plan for tourism development and promotion, National Action Plan- 1992, National Tourism Policy-2002, Destination planning and development.

Module 6: Economics of tourism.

Tourism demand forecasting- methods of forecasting. Public and private sectors in Tourism- Government's role in tourism- the need for public and private sector cooperation in tourism; Cost concepts

References

- Gellas & Bechenel, International Tourism, Macmillan, London, 2004
- Geoper et al, Tourism Principles 7 Practices, Pearson edn., New York, 2006
- Goldener, C & Ritchie, B. Tourism Principles, Philosophy, Practices, John Wiley, New York, 2006
- J.K. Sharma, Tourism Planning and Development; A new Perspective, Kanishka Publishers, 2000
- Manjula Chaudhaary, K.K. Kamara, Tourism Development; Impact & Strategies; Anmol Publications, 2002

PUBLIC HEALTH NUTRITION

Course Code: HRM4PHN

Teaching hours: 6hrs/week

ELECTI

Credit: 3

Objectives:

- To develop a holistic knowledge base and understanding of the nature of nutritional problems and their prevention and control for the disadvantaged and upper socioeconomic strata in society.
- To understand the causes/determinants and consequences of nutritional problems in society.
- To be familiar with various approaches to nutrition and health interventions programmes and policies.

Course Outline

Module 1: Food and Nutrition Situation in India

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Hunger in India, India state Hunger Index (ISHI) Food and Nutrition security, production and availability of foods in India, consumption pattern, trends in nutrient intake and nutritional status

Module 2: Principles of epidemiology and epidemiological methods

Introduction to epidemiology, aims, classifying epidemiological study methods, nutrition epidemiology and public health nutrition

Module 3: Assessment of nutritional status in community setting

Nutritional assessment, Importance and Objectives, Indirect assessment of Nutritional status –Age, specific mortality rates, cause specific mortality rates, nutritionally relevant morbidity rates, ecological factors. Direct assessment of nutritional status - Nutritional Anthropometry-Height, length, weight, waist circumference, waist hip ratio, body fat, skin fold measurements; Clinical assessment of Nutritional disorders, Biochemical assessment for nutritional deficiencies and Dietary assessment-Family diet survey, Individual diet survey, quantitative diet surveys, Institutionalised surveys and Food balance sheet.

Module 4: Epidemiology of Nutritional disorders

Prevalence, Aetiology, Consequences and treatment of-PEM-Clinical syndromes, prevention of malnutrition, managing PEM

Vitamin A Deficiency-Consequences, epidemiology, aetiological factors, and intervention strategies for preventing Vitamin A deficiency disorders (VADD)

Iron Deficiency Anaemia-Epidemiology, Prevalence, aetiological consequences, approaches for prevention and control of anaemia, National Nutritional Anaemia Control Programme.

Iodine Deficiency Disorders-Epidemiology, aetiological factors, consequences of IDD, IDD as a public health problem, elimination of IDD-An International focus, National Iodine Deficiency Disorders Control Programme of India

Zinc Deficiency-Epidemiology, public health significance, clinical manifestations of zinc deficiency, Zinc supplementation in pregnancy, Fluorosis

Module 5: Organisations and Programmes in the field of nutrition monitoring and Interventions

Brief outline of WHO, FAO, UNICEF, CARE, NFHS, NNMB, ICDS, ICMR, ICAR

Module 6: Nutrition Education

Definition, Significance, Design and implementation of NHE Programme Receiver, Communicator, Message Channel, Theories of Nutrition Education, Evaluation- Purpose and Types of evaluation.

Module 7: Food Fortification

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Technical considerations, technology for food fortification, fortificants, planning food fortification intervention, fortification of selected food items

Module 8: Nutrition related non communicable chronic disorders

Prevalence at global and national level, cardiovascular disease, hypertension, obesity, diabetes mellitus, and cancer; Risk factors for Non-Communicable Diseases-Community based programmes for primary prevention, Health education and role of mass media, secondary and tertiary prevention.

References

- Modern Nutrition in Health and Disease edited by Maurice B Shils, Moshe Shike, Catherine Ross, Benjamin Cabellero, Robert J Cousins, Lippincott Williams and Wilkins 2006.
- Nutrient Requirements and Recommended Dietary Allowances for Indians. A report of the expert group of the Indian Council of Medical Research ICMR 2010.
- Public Health Nutrition in Developing Countries Edited by Sheila Chander Vir Woodhead Publishing India. Part I & II. 2011