B.Sc. (Home Science) Prospectus No. 2013193 Semester-V Examination-Winter-2012 Semester-VI Examination-Summer-2013

संत गांडगे बाबा अमरावती विद्यापीठ SANT GADGE BABA AMRAVATI UNIVERSITY

गृहविज्ञान विद्याशाखा (FACULTY OF HOME SCIENCE)

PROSPECTUS

OF

The Examination for the B.Sc. (Home Science)
Semester-V Examination, Winter-2012, and

Semester-VIExamination, Summer-2013 (Six Semester Degree Course)



2012

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(Price-Rs. /-)

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Dineshkumar Joshi

Registrar

Sant Gadge Baba Amravati University,

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

- (1) Notwithstanding anything to the contrary, it is notified for general information and guidance of all concerned that a person, who has passed the qualifying examination and is eligible for admission only to the corresponding next higher examination as an ex-student or an external candidate, shall be examined in accordance with the syllabus of such next higher examination in force at the time of such examination in such subjects, papers or combination of papers in which students from University Departments or Colleges are to be examined by the University.
- (2) Be it known to all the students desirous to take examination/s for which this prospectus has been prescribed should, if found necessary for any other information regarding examinations etc. refer the University OrdinanceBooklet the various conditions/ provisions pertaining to examinations as prescribed in the following Ordinances-

Ordinance No. 1 : Enrolment of Students.

Ordinance No.2 : Admission of Students

Ordinance No. 4 : National Cadet Corps

Ordinance No. 6 : Examination in General (relevant

extracts)

Ordinance No. 18/2001 : An Ordinance to provide grace

marks for passing in a Head of passing and Inprovement of Division (Higher Class) and getting Distinction in the subject and condonation of defficiency of marks in a subject in all the faculties prescribed by the Statute NO.18, Ordinance 2001.

Ordinance No.9 : Conduct of Examinations

(Relevant extracts)

Ordinance No.10 : Providing for Exemptions and

Compartments

Ordinance No. 19 : Admission Candidates to

Degrees

Ordinance No.109 : Recording of a change of name

of a University Student in the

records of the University

Ordinance No.6 of 2008 : For improvement of Division /

Grade

Ordinance No.19/2001 : An Ordinance for Central

Assessment Programme, Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University,

Ordinance 2001.

Dineshkumar Joshi

Registrar

Sant Gadge Baba Amravati University

*DIRECTION

No.: 45/2010 Date: 05/07/2010

Subject: Examinations leading to the Degree of

(गृहविज्ञान रनातक) Bachelor of Science (Home Science) (Three Year Degree Course -

Semester Pattern), Direction 2010.

Whereas, the Board of Studies in Home Science have prepared and recommended the Schemes of Teaching and Examinations along with Draft Ordinance for B.Sc. (Home Science) Semester-I to VI as per Semester Pattern and Credit Based Performance and Assessment System.

AND

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

AND

Whereas, Academic Council in its meeting held on 20.02.2010 while considering item No.168) A) R-2 on the agenda, have principally accepted the above recommendations of faculty of Home Science and constituted the Committee for some terms of references.

AND

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

AND

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

AND

Whereas, the Hon'ble Vice-Chancellor has accepted the corrections in the Scheme of Examination and proposed draft Ordinance of B.Sc. (Home Science) on behalf of Faculty of Home Science and Academic Council as recommended by Dean, faculty of Home Science.

AND

Whereas, the making of Ordinance/Regulation for B.Sc. (Home Science) (Semester Pattern) is a time consuming process.

AND

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

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

- I. This Direction may be called "Examinations leading to the Degree of (गृहविज्ञान स्नातक) Bachelor of Science (Home Science) (Three Year Degree Course Semester Pattern), Direction 2010".
- 2. This direction shall come into force from the date of its issuance.
- 3. The following shall be the Examinations leading to the Degree of गृहविज्ञान स्नातक (Bachelor of Science) (Home Science) (Semester Pattern), namely.
 - (i) The B.Sc.(Home Science) Part-I (गृहविज्ञान स्नातक भाग-१) Examination consists of Semester-I & II;
 - (ii) The B.Sc.(Home Science) Part-II (गृहविज्ञान स्नातक भाग-
 - ?) Examination consists of Semester-III & IV;
 - (iii) The B.Sc.(Home Science) Final (गृहविज्ञान स्नातक अंत्य) Examination consists of Semester-V & VI:
- 4. The duration of the course under this Direction shall be of three academic years consisting of two semesters in each year.
- 5. Subject to his/her compliance with the provisions of this Direction and of other Ordinances in force from time to time, a candidate for admission to the course shall:

A) In the case of B.Sc. (Home Science) Part-I

have passed the 12th Standard Examination for the Science, Arts & Commerce including Vocational/M.C.V.C. stream of the Maharashtra State Board of Secondary and Higher Secondary Education or examination recognised as equivalent thereto.

OR

ii) Minimum two years Diploma/course after 10th examination of any recognised University/M.S.B.T.E./Govt. recognised Board or any other examination recognised as equivalent thereto.

6. I) Examinations of Odd Semesters:

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

II) Examinations of Even Semesters :

 The theory and practical examinations of even semester (Sem-II, IV & VI) shall be conducted by the University. 7. The examination of first, third and fifth semester B.Sc. (Home Science) shall be held in winter and supplementary examination in summer every year. And main examination of second, fourth & final semester shall be held in summer & the supplementary examination in winter every year.

The practical examinations of odd semesters (Sem-I, III & V) shall be conducted at college level under the supervision of the College Principal. The concerned teacher shall be the internal examiner. The practical examination of even semester (Sem-II, IV & VI) shall be conducted by the University by appointing an external and internal examiners. Practical examination of all the add-on papers of all semesters will be conducted by the college only.

- 8. Subject to his/her compliance with the provisions of this Direction & other Ordinances pertaining to Examination in force from time to time, the applicant for admission, at the end of the course of study of a particular semester/session, to an examination specified in column (1) of the Table-I below, shall be eligible to appear if:
 - (i) he/she satisfies the conditions in the table and the provisions thereunder.
 - (ii) he/she complies with the provisions of the Ordinance pertaining to the Examination in general from time to time.
 - (iii) he/she has prosecuted a regular course of study in a college affiliated to the University.
 - (iv) he/she has in the opinion of the Principal shown satisfactory progress in his/her studies.

TABLE-I

Name of the Examination	the student shall have passed / cleared the examination of	The student should have satisfactorily completed the following session / semester
B.Sc. (Home Science) Semester-I	12th Standard Examination or equivalent	
B.Sc. (Home Science) Semester-II		B.Sc. (Home Science) Semester-I

B.Sc. (Home Science) Semester-III	½ heads of Sem-I & II combined together	
B.Sc. (Home Science) Semester-IV		B.Sc. (Home Science) Semester-III
B.Sc. (Home Science) Semester-V	(1) B.Sc. (Home Science) Sem-I & II (2) ½ heads of Sem-III & IV combined together	
B.Sc. (Home Science) Semester-VI		B.Sc. (Home Science) Semester-V

(**Note:** For calculating the heads, the theory and the practical shall be considered as a separate head and on calculation, fraction if any shall be ignored.)

- 9. The examinations specified in the **preceding** paragraph shall be held at such places and on such dates as may be appointed by the Board of Examination.
- 10. Without prejudice to the other provisions of Ordinance No.6 relating to the Examination in General, the Provisions of Paragraphs 5,7,8,10 and 31 of the said Ordinance shall apply to every Collegiate candidate.
- 11. The fee for each of the B.Sc.(Home Science)(गृहविज्ञान स्नातक) (Theory & Practical) Examinations shall be as prescribed by the competent authority, time to time.
- 12. i) The scope of the subjects shall be as indicated in the Syllabus
 - ii) Medium of instruction shall be English or Marathi.
 - iii) Examination papers shall be set in English and Marathi.
- 13. The Schemes of teaching and examinations for B.Sc. (Home Science) course, computation of SGPA & CGPA and illustrative example for results in Grade Point System shall be as provided under Appendix/Appendices appended with the Regulation.

14. The system of evaluation will be as follows:

Theory papers, practicals and internal assessment will be evaluated in terms of marks. The marks will be added together and then converted into a grade and later a grade point average. Results will be declared for each semester and the final examination will give total grades and grade point average.

- 15. A total of 132 credits have to be taken by the students to complete the programme.
- 16. The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee of *under graduate course* shall be as given below:-

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

SGPA shall be calculated based on Grade Points corresponding to Grade and the Credits allotted to respective Theory / Practical shown in the scheme for respective semester. SGPA shall be computed for I, II, III, IV, V & VI Semester and CGPA shall be computed only in VI semester based on SGPAs of I, II, III, IV, V & VI Semester.:-

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

Where $C_1 = Credit of individual Theory / Practial$

 $G_1 = \ Corresponding \ Grade \ Point \ obtained \ in \ the \ respective \\ Theory \ / \ Practical$

$$CGPA = \frac{(SGPA)_{I}X(Cr)_{I} + \dots + (SGPA)_{VI}X(Cr)_{VI}}{(Cr)_{I} + \dots + (Cr)_{VI}}$$

Where $(SGPA)_{I to VI} = SGPA of I to VI Semester$

 $(Cr)_{I \text{ to } VI}$ = Total Credits for I to VI Semester

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

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

Grade	Percentage of Marks	Grade Points
AA	80 ≤ Marks ≤ 100	10
AB	70 ≤Marks < 80	9
BB	$60 \le Marks < 70$	8
BC	55 ≤Marks < 60	7
\propto	$50 \le Marks < 55$	6
CD	45 ≤Marks < 50	5
DD	40 ≤Marks < 45	4
FF	$00 \le Marks < 40$	0
ZZ	Absent in Examination	_

PRACTICAL

Grade	Percentage of Marks	Grade Points
AA	85 ≤ Marks ≤ 100	10
AB	$80 \le Marks < 85$	9
BB	75 ≤Marks < 80	8
BC	70 ≤Marks < 75	7
∞	65 ≤Marks < 70	6
CD	60 ≤Marks < 65	5
DD	50 ≤Marks < 60	4
FF	00 ≤Marks < 50	0
ZZ	Absent in Examination	_

Table of Final Grade Points for SGPA and CGPA

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

Table of Equivalence of Class / Division to CGPA

CGPA	Class/Division
7.50 or Higher	First Class with distinction
6.00 to 7.49	First Class
5.50 to 5.99	Higher Second Class
5.00 to 5.49	Second Class

17. A Bachelors degree programme is of a three academic year course. If a student fails to continue studies of a three years course, she/he will given the certificate as shown in Table-III after successful completion of semesters.

TABLE III

Sr. No.	Semester	Certificate	
1	First	Certificate in Home Science	
2	First & Second	Diploma in Home Science	
3	Third & Fourth	Advance Diploma in Home Science	

- 18. Provisions of Ordinance No.18 of 2001 in respect of an Ordinance to provide grace marks for passing in a Head of passing and improvement of Division (Higher Class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18, Ordinance, 2001 shall apply.
- 19. As soon as possible after the examinations the Board of Examination shall publish a list of successful examinees. The result of final B.Sc. (Home Science) examination shall be classified as given in table III, Merit list shall be notified as per ordinance No. 6.
- 20. Notwithstanding anything to the contrary in this Direction, no person shall be admitted to this examination, if he/she has already passed the same examination or an equivalent examination of any other Statutory University.
- 21. Successful examinees at the B.Sc.(Home Science) Sem-I to Sem-V Examination shall be entitled to receive a Certificate signed by the Registrar and successful examinees at the B.Sc.(Home Science) Semester-VI Examination, shall on payment of the

prescribed fees, receive a Degree in the prescribed form signed by the Vice-Chancellor.

Sd/Amravati (Dr.Kamal Singh)
Dated: 02/07/2010 Vice-Chancellor

* Amended vide Directions Nos. 64 of 2010, 13 of 2011 and 34 of 2011.

SCHEME OF B. Sc. HOME SCIENCE & M. Sc. HOME SCIENCE

- Scheme of Bachelor's Programme (Composite) and Master's Programme (in five specializations i.e. Family Resource Management, Food Science and Nutrition, Human Development, Textile and Clothing, Communication and Extension) is designed by considering regional, national and global needs and to achieve the academic, professional, social and personal development of students.
- 2) The Bachelor's programme is of three year (six semesters) / Master's programme is of two year (four semesters) duration. At every stage of completion of the course students will be given certificate, diploma and degree as shown under

3)

S.N.	Semester	Certificate/ Diploma/ Degree
1	First	Certificate in Home Science
2	First & Second	Diploma in Home Science
3	Third & Fourth	Advanced Diploma in Home Science
4	Fifth & Sixth	Bachelor's Degree in Home Science
5	First & Second of	Post Graduate Diploma in Home
	Masters Programme	Science*
6	Third & Fourth of	Master's Degree in Home Science*
	Masters Programme	

^{*}of respective specialization said in Para-1.

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- The examinations of first, third and fifth semester shall be held in winter and second, fourth and sixth semesters shall be held in summer. Grade system will be used to evaluate performance of the examinee.
- The scheme is based on credit grade teaching evaluation system, comprise core Home Science and applied Science, elective / optional, intra and interdisciplinary, participatory (practical & Projects) and research courses.
- 6) Teachers appointed in Home Science faculty are eligible to teach **Elective of Semester-I to IV** and communication skills of bachelor programme other than the subject teacher.
- 7) About 20-30% marks are assigned for internal assessment in theory as well as practicals in which, performance in class test, session end examination, projects, seminars and assignments, attendance etc. will be assessed. Evaluation of internal and external is shown in tables attached.
- 8) In order to develop research aptitude, research based subjects are included at master's level. Dissertation is compulsory and research work of dissertation will begin from third semester and end in fourth semester. There shall be an open viva-voce on it.
- 9) Scheme is focused on participatory learning, therefore practical's, seminars, home & community visits, extension activities, organization of intervention programmes, on job training / internship, projects participation in national and international days etc. are included.
- 10) Choice based course (General Interest Course) shall be as per the Science faculty of this University, notified from time to time.
- 11) Schemes of Bachelors and Masters Programme in Home Science are as enclosed herewith.
- 12) Relative Weightage of internal assessment, (Theory and Practical), practical, dissertation & Seminar, rating scale of theory and practical subjects, final Grade Points for SGPA and CGPA are given in respective tables.

Annexure-I

Internal Assessment of Theory & Practical Examination for B.Sc. (Home Science)

Table-1: Internal Assessment of Theory

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

Table-2: Internal Assessment of Practicals

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

Table-3: Evaluation of Practical

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

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Syllabus Prescribed for B.Sc. Final (Home Science) Semester-V

(Implemented from the Session 2012-13)

Semester-V Subject Code : 351RM31 Resource Management

Objectives:-

- (1) To create awareness among the students about management at family level.
- (2) To understand the factors influencing kitchen design of a family.
- (3) To understand use of time, money and energy management.
- (4) To develop skills in planning different kitchen layouts considering different works centres of a kitchen.

Course Content

Theory:

- Unit-1 : 1.1 Home Management Process as a System Definition, Elements, Purpose, nature and significance of management, Types, Advantages and limitations of system approach.
 - 1.2 Basic concept of misconception of management.
 - 1.3 Obstacles to improvement of management.
 - 1.4 Principles of management.
- **Unit-2**: 2.1 Time Management Nature of time as a resource, time cost, tools in time management.
 - 2.2 Management process applied to time.
 - 2.3 Importance and use of leisure time.
- Unit-3: 3.1 Energy Management:- Nature of energy as a resource, classification of household tasks, types of efforts, types of fatigue, causes and remedies.
 - 3.2 Energy Management Process, factors affecting energy management.
- **Unit-4**: 4.1 Work simplification Definition, importance
 - 4.2 Principles, formal and informal techniques of studying work simplification.
 - 4.3 Improvement in job working conditions.
 - 4.4 Classes of change.
- **Unit-5**: 5.1 Money Management Classification of income, income profile.

- 5.2 Money Management Process, Budget importance, definition, steps in budget making.
- 5.3 Accounts keeping method and advantages.
- 5.4 Methods of handling money.

Practicals:-

- (1) Budget Planning Preparation of budget according to Income group.
- (2) Preparation of time Plan for students, housewife etc.
- (3) Survey of ten housewives belonging to middle income group on topics mentioned in the theory alonged with detailed survey report.
- (4) Experiments related to work simplification techniques Pathway chart, process chart, operation chart.
- **NOTE:** The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

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- 2) Gross Cranall and KnolL (1980): Management for modern families, 3rd Edn. Prpentice Hall Inc., New Delhi
- 3) Nickell, P. and Donsey, J. (1986): Management in Family living, 4th Edn., Wiley Eastern Ltd., New Delhi
- 4) Kewal Krishnan Dewey and Adarsh Chand (1981): Modern Economic Theory, 12th Edn., Shyamlal Charitable Trust.
- Vidya Bhushan Sachdeva (1991): Introduction to Sociology, Kitab Mahal.
- 6) Fred T., Wilhems and Romon P. Heimeri (1966): Consumer Economics, 2nd Edn., Greg Publishing Division.
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- 8) Good year M.K. and Klohr M.C., "Managing for effective living John Wiley and Sons INC, New York 1991.
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- Young Stanely, "Management, A Decision Making Approach," Disconson publishing Co.

- 11) Chatterji "Introduction of Management".
- 12) Bharathi V.V., Jacintha M. "Family Resource Management", Discovery publishing house New Delhi.
- 13) डॉ.क्षमा लिमये, डॉ.आशा निमकर "प्रगत गृहव्यवस्थापन" (म.वि.ग्रं.नि.मं., नागपूर)
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- 15) Deshpande, R.S., "Modern Ideal Homes for India", United Book Corporation, Pune.
- 16) Alexander, N.J., Mercanty Brace (1972): "Designing Interior Environment". Havanouich Inc.
- 17) Corsan, Terence: "The House Book", 2nd Ed. Grover Publication

Semester-V

Subject Code: 352FN32 Food and Nutrition

Objectives :- This course will enable the students to understand the factors to be considered during selection of basic food commodities.

Course Content

Theory:

Unit-1: Cereals and Millets cereal products, breakfast cereals, fast foods- structure, processing, use in various preparations.

Pulses and Legumes – Structure, processing, Nutritional aspects, use in various preparations.

Unit-2: Milk and milk products – Composition, processing use in different preparations, nutritional aspects, shelf life and storage.

Eggs – Structure, nutritional aspects & use in different preparations.

Unit-3 : Meat, fish & poultry - Nutritional aspects, type, selection and spoilage.

Vegetable and Fruits - Nutritional aspects, use in different preparations and selection.

Unit-4: Sugar and sugar products – Types of natural sweeteners, use as preserves, stages in sugar cookery.
 Fats & Oils – Types, sources, processing, use in different preparations, nutritional aspects.

Unit-5: Beverages: Hot and cold – Processing and nutritional aspects.

Food Adjuncts: Spices, condiments, extracts, Herbs, essences and colours; concentrates use in food preparations.

Raising and Leavening Agents – Types, uses in cookery and backery.

Practicals:-

Objectives:- This course will enable the students to-

- develop skills in preparing various food items.
- understand the principles underlying changes in food characteristics during cooking.
- be familiar with evaluation of food products for their quality characteristics.
- understand the use of various methods of preservation of food.

Practicals:- Preparing, serving and evaluation of food items-

- 1) Beverages: Fruit and milk based, punches, juices.
- 2) Cereals: Parathas, purees, pulao, Biryani, types of various rice, bhakari Dosa, Idli, Noodles, pastas.
- Pulses: Various types of usal, vadas, dhokla, khandvi, sambhar.
- 4) Vegetables Kofta, Cutlets, Baked vegetables, fancy preparations.
- 5) Soups, Stews, salads
- 6) Milk preparations Barfis, Gulab jamun, kheer.
- 7) Meat, fish and poultry: Roasted, baked, curries, kababs, tikka, tandoori
- 8) Desserts Halwas, soufflé, hot & cold desserts.
- 9) Cakes, Biscuits, Cookies, pastry, sandwitches.
- 10) Snacks Mathri, Kachoris, Samosa.
- 11) Sweets Ladoos, Chikkis.
- 12) Food Preservation Pickles, jams, sauces, squashes, murabbas.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

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- (1) Lavis, S. (1988) Food Commodities, Heinemann Ltd., London.
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- (6) Pruthi J.S. (1979): Spices & condiments, National Book Trust, New Delhi.
- (7) Prevention of food adulteration Act (1994), Govt. of India.

Semester-V Subject Code : 353HD33 Human Development

Objectives:-

- (1) To provide the students information about the characteristics of Children with special need.
- (2) To understand the Psychological aspects of development.
- (3) To know the behaviour problems in Children with its causes.
- (4) To aware the students regarding family and child welfare.

Course Content

Theory:

Unit-1: Exceptional Children:

- 1.1 Definition & classification.
- 1.2 Causes
- 1.3 Treatment
- 1.4 Education & Rehabilitation.

Unit-2: 2.1 Physically Handicapped:

- 2.2 Mentally Handicapped
- 2.3 Gifted children.
- 2.4 Juvenile delinquents.

Unit-3: 3.1 Intelligence:

- Definition
- Intelligence Quotient (I.Q.)
- Intelligence test
- Factors affecting intellectual development.
- 3.2 Personality:

- Definition
- Determinants of Personality.
- Personality test

Unit-4: Behaviour Problems:

- Definition
- Classification, causes
- Treatment of following behavioural problems : Temper tantrum, Thumb sucking, Bed wetting, Stealing & lying.

Unit-5: Family and child welfare:

- Concept, meaning, need & importance of family & child welfare.
- Family welfare services available in India.
- Various child welfare services available in India.

Practical:-

(1) Visit to –

Family welfare agencies

Child guidance clinics

Special cell for women in distress

Centres of exceptional children.

- (2) Seminar presentation with audio visual aids.
- (3) Case study of welfare centres. (maintain record book)

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Bharat, (1993): Child Adoption: Trends and Emerging Issues.
- (2) Billimoria, H.M. (1984): Child Adoption A study of Indian Experience, Bombay: Hinduja Publishing House.
- (3) Chaturvedi, T.N. (1979) (Ed.): Administration for Child Welfare: New Delhi: Indian Institute of PUblic Administration.
- (4) Chowdhury D.Pauil (1980): Child Welfare / Development, New Delhi: Atma Ram Publication.
- (5) Costin L.B. & Rapp, C.A. (1984): Child Welfare Policies and Practice, New York, McGraw Hill.
- (6) Govt. of India, Ministry of Welfare. National Action Plan for Children (1992), (entire report).

- (7) Hans, Gurmeet (1995): Student Volunteers for Social Service in the Indian Journal of Social Work, vol. LVI, No.1, January 1995, Bombay: TISS, P.39 to 54.
- (8) Kadushin, A. (12967): Child Welfare Services, New York: The MacMillan Co.
- (9) NIPCCD (1984): Perspective Plan on Child Development (1980-2000), New Delhi: NIPCCD.
- (10) Pande (1991): Street Children in India, Allahabad: Chugh Publications.
- (11) Rane, A.J. & Natrajan, L. (1980): A Study of Sponsorship Programme for Children, Bombay: Tata Institute of Social Sciences.
- (12) Rane, A. et al (1980): Children in difficult situations in India: A Review. Bombay. Tata Institute of Social Sciences.
- (13) Rane, A. (Ed.) (1994): Street Children: A Challenge to the Social Work Profession, Bombay: Tata Institute of Social Sciences).
- (14) TISS, Indian Journal of Social Work. Special Issue on the Girl Child. Vol.111, No.1, 1991, Bombay: TISS.

Semester-V Subject Code 354TC34 Textile and Clothing

Objectives - To enable the students to

- l. develop creativity in designing of the textile & clothing.
- 2. impart knowledge of principles of art and elements of art.

Course Content

Theory:

- Unit 1 : Essentials of design Elements of design & selection of garment on the basis of line, shape,
 colour, texture, pattern, light & space.
- Unit 2 : Principles of Design- Balance, Rhythm, Proportion, Harmony & Emphasis.
- Unit 3 : Classification of design Structural & decorative -
 - Realistic, Abstract, Stylized, Geometric.
 - Layout of design, Repeat.

Printing-Block printing. Screen printing, Stencil printing, Unit 4

and Roller printing.

Pattern Making: Unit 5 :

Drafting method-

Preparation of Bodice, Skirt, and sleeve block by drafting method.

Practicals:

1. Construction of - Plackets and Pockets.

2. Stitching of - Salwar and Kurta. (Any two types)

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:

- Gold stain, "Art in Every Day Life", Mc. Millan Co. New York.
- Sushma Gupta Neeru Garg, Remi Sai Text Book of Clothing and Textiles", Kalyani Publishers, Ludhiyana.
- Metal & Graves "The Art of Colour & Design", Hill Book Co. New York.

Semester-V Subject Code: 355CE35 **Communication and Extension**

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

- (1) to understand the importance of communication for extension.
- (2) to develop the skill of communication and extension.
- (3) to acquaint with the knowledge of mass communication.

Course Content

Theory:

Concept of Communication: Unit-1 :

- 1.1 Meaning and definition.
- 1.2 Need and importance in extension
- 1.3 Types of Communication

Unit-2 Process of Communication:

- **Elements of Communication Process** 2.1
- 2.2 Process of Communication
- 2.3 Different models of Communication process.
- 2.4 Borriers in Communication process and their solution.

: Communication of Innovation : Unit-3

- 3.1 Meaning and characteristics of innovation and diffusion.
- 3.2 Innovation Process.
- 3.3 Factors affecting innovation.

Unit-4 : Feed back in Communication :

- 4.1 Need and importance of feed back.
- 4.2 Role of feed back.
- 4.3 Problems in getting feed back.

: Mass Communication : Unit-5

- Meaning and importance. 5.1
- 5.2 **Functions of Mass Communication**
- 5.3 Models of Mass Communication
- 5.4 Mass and interpersonal communication – Meaning and differentiation.

Practicals:-

- Communication skill development activities (Interview, seminar, speech)
- Organising Role play for communication of innovation (2) related to Home Science.
- Group discussion on social problems.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) A Text Book of Extension Education:-Ranjit Singh
- सामुदायिक विकास आणि विस्तार शिक्षण प्रा.फ्रा.वि.तिजारे (2)
- An Introduction to Extension Education: Dr.S.V.Supe (3)
- संदेशवहन डॉ.सपे (4)
- Extension Education: Adive Reddy (5)
- Education and Communication for Development Dahama (6) and Bhatnagar
- Non formal Education for All Arvinda Chandra and (7) Anupama shah, Serling Publication Pvt.Ltd.
- (8) Non formal Education – An alternative approach: R.P.Sing, Sterling publication.
- Indian Journal of Adult Education (9)
- Communication and Social Development in India B. Kuppu (10)Swamy, Sterling publication.

- (11) सामुदायिक विकास वैरागडे
- (12) कृषी विकास पद्धती व साधने -द.रा.जाधव
- (13) Communication Skills Dr.Nageshwar Rao, Dr.Rajendra P.Das, Himalaya Publishing House.

Semester-V

Subject Code: 355HH36

Health, Hygiene and Microbiology

Objectives:- To enable students -

- (1) to know the environmental hygiene
- (2) to understand the value of sanitation

Course Content

Theory:

- **Unit-1**: 1.1 Definition of health.
 - 1.2 Determinants of Health:- Heredity, Environment, Life style, Socio-Economic Conditions.
 - 1.3 Indicators of Health: Mortality indicators, Morbidity indicators, disability rates, nutritional status indicator. Health care delivery indicator, utilisation rates. Indicator of social and mental health.
- **Unit-2**: 2.1 General characteristics and classification of microorganisms. Bacteria, virus, yeast, mould.
 - 2.2 Useful micro-organisms in food industry.
 - 2.3 Fermented milk, cheese, alcoholic beverages & vitamins.
- **Unit-3**: 3.1 Water and water borne diseases.
 - 3.2 Sources of water, Definition of pure and potable water.
 - 3.3 Water Pollutants, Purification of water on small & large scale.
 - 3.4 Water borne diseases :- Cholera, typhoid, dysentry.
- **Unit-4**: Diseases transmitted by mosquitoes, housefly, lice, their life cycle, control methods.
- **Unit-5**: 5.1 National and international health agencies like WHO & UNICEF.
 - 5.2 National Tuberculosis Control Programme.
 - 5.3 National Malaria Eradication Programme

Practicals:-

- (1) Visit to water purification plant.
- (2) Use of microbial instruments.
 - Autoclave.
 - Incubator
 - Oven
 - Refridgerator.
- (3) Staining methods of bacteria.
- (4) Study of permanant slides of micro-organism parasite and insects.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References :-

- (1) K.D.Chatterjee Parasitology,
- (2) R.E.Buchanum & Buchanum Bacteriology
- (3) Poltier, G.L.Lewis Laboratory manual & microbiology.
- (4) A.J.Selle Fundamental principal of Bacteriology
- (5) Frazier Food Microbiology
- (6) Dey N.C. Medical Bacteriology
- (7) R.L.Kotpal-Protozoa
- (8) R.L.Kotpal Anthropoda
- (9) Yashpal Bedi Hygiene and Public Health
- (10) Park J.E. & Park K. Text Book of Preventive and Social Medicine
- (11) Ghosh R.N. Manual of Preventive and Social Medicine.
- (12) Clark & Hendersoin Community Health
- (13) Goel S.L. Health Administration level and aspects.

ELECTIVE

Semester-V Subject Code 35EL37.1 Dietetic Techniques & Patient Counselling-I

Objectives: After completing the course students will be able to

- (1) understand the role of dietician in patient counselling.
- (2) critically appraise, plan and organise / supervise preparation and service of different kinds of therapeutic dietetics in hospital service.

Course Content

Theory:

Unit 1: Introduction to dietetic techniques and patient counselling and its importance.

Unit 2 : Role of dietician in patient counselling.

Unit 3 : Techniques of obtaining relevant information for patient profiles – Medical history assessment.

Unit 4 : Tests for nutritional status.

Unit 5 : Dietary diagnosis. Convoluting clinical and dietary information.

Practical:

(1) Appraisal of routine hospital diets and dietary units (survey and discussion).

(2) Organisational structure and staffing patterns, number of patients, departments and type of diets, cost and nutritional adequacy, time schedule, service protocol, equipments.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

Reference -

(1) Dave, Endu (1984): The basic essentials of counselling, sterling publisher Pvt Ltd, New Delhi.

(2) Barki B.C. Mukhopadhyay, B (1989): Guidance aznd counselling, A mannual sterling publishers, New Delhi.

Semester-V Subject Code : 35EL37.2 Event Management I

Objective:-

(1) To empower the students to manage and organise various events.

(2) To sensitize the students about various responsibilities & preparation of event.

Course Content

Theory:

Unit 1: 1.1 Event Management, meaning and definition, Importance of Event Management,

- 1.2 Need of Event Management.
- 1.3 Concept Corporate, Companies, Industry, Private, Public & Corporate Companies.

- Unit 2: 2.1 Social Events Wedding Management, Birthday Parties, Anniversaries, Get to gether, Social gathering, Funds raising for large clubs etc.
 - 2.2 Educational Events Educational Fair, Education Projects, College events, Educational tours, Important days Celebration, Farewell Party, Workshop, Competitions.
 - 2.3 Corporate events Meetings, Seminars, Conferences, Training Programmes, Award Functions.
 Handicrafts/Textile/Food festivals.
 - 2.4 Entertainment Events: Movie promotion, celebrity Nights, Award Nights, Sports, Fashion shows, Drama etc.
 - 2.5 Marketing and promotions Ad compaigns product launches, promotion activities, Shopping festivals.
- **Unit 3**: Event designing planning, organising, staffing, leading, coordinating & Controlling & Evaluation.
- Unit 4: Event Planning Pre event activities, During event activities, post event activities, Event Management information system. Opportunities & resource analysis for event management.
- **Unit 5**: 5.1 Event Marketing
 - 5.2 Objectives of event marketing
 - 5.3 Need of event marketing
 - 5.4 Advertising Concept, Types of advertises.

Practicals :- Managing about Event Management. (Any two events)

- 1) Preparation of Action Plan for event.
- 2) Preparation of material
- 3) Preparation of Time plan for Event execution
- 4) Preparation of various committees for Event execution.
- 5) Planning of various meetings of Committees
- 6) Planning for rehearsal of team
- 7) Actual presentation about planning of Event.

References:-

- (1) Principles of management, by T. Ramaswamy Publishing House
- (2) Human Resource Management by A.M. Sarma, Himalaya Publishing House by A.M. Sarma Himalaya Publishing House.
- (3) Human Resource Management by K.4. Aswathpa Tata Mc Gram Hill.

- (4) Business Communication by Dr. V.K. Jain and Dr. Om Prakash Biyani. S. Chand and Company.
- (5) Business Communication by Urmila Rai, and S.M. Rai. Himalaya Publishing Company.
- (6) Project Management by S. Chaudhary.
- (7) Project Management by Kunal Ghosh.
- (8) Organisation Beheaviour by Robin S.P. Prentice Hall of India -New Delhi.

Semester-V Subject Code : 35EL37.3 Regional Embroidery & its Application-I

Objectives: After completing the course, students will develop skill in regional embroidery.

Course Content

Theory:

Unit-1: 1.1 Embroidery of Northern region – Punjab.

1.2 Origin and development of Phulkari.

Unit-2 : Meaning and types of Phulkari.

Unit-3: 3.1 Back ground fabric and uses of Phulkari.

3.2 Traditional and cultural importance of Phulkari.

Unit-4 : Traditional colours, motifs, designs, floss used in

Phulkari.

Unit-5: Steps in Phulkari embroidery and its application.

Practicals:- Preparation of wall panel with Phulkari embroidery.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Indian embroidery Kamladevi Chattopadhay
- (2) Traditional embroideries of India Shailaja Naik.
- (3) Ethenic embroidery of India Usha Shrikant.

Semester-V Subject Code : 35EL37.4 Geriatric Care I

Objectives: After completion of course, students will be able to

- (1) become aware and sensitized to issues related to care of the elderly.
- (2) enable students to understand the theoretical perspective of the aging process.

Course Content

Theory:

Unit 1 : Importance and meaning of Geriatric care Emergence and scope of geriatric care.

Unit 2 : Concept of aging and problems: Social, mental psychological problems, occupational etc.

Unit 3 : Theoretical perspectives - Disengagement theory, activily theory, Human development theory.

Unit 4 : Aging process - Biological and Physiological aspects.
Unit 5 : Aging process - Psychological, Social, Economic and spiritual aspects.

Practical -

- (1) visit to old age centres / homes and prepare reports.
- (2) Conduct case studies on any two in mates

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

Reference -

- (1) Aiken L.R. (1978) The Psychology of later life, Philadelphia: WB Saundess Company,
- (2) Chowdhary Paul D. (1992) Aging and the aged New Delhi: Inter India Pub.
- (3) Cox Harold (1984) Later life: The reality of aging, New Jersy: Prentice Hall Enc.

Semester-V Subject Code : 35EL37.5 Elective : Audio Visual Production-I

Objective: After completing the course, students will be able to gain important knowledge of production of various audio-visuals.

Course Content

Theory:

Unit 1 : Audio-Visuals:

- 1.1 Concept and importance of audio visual aids.
- 1.2 Role of audio-visual aids in extension communication.

Unit 2 : Approaches in use of Audio-visual aids :

2.1 Individual Approach

2.2 Group Approach

2.3 Mass Approach

Unit 3 : Production of Audio aids :

3.1 Principles of Production of Audio aids

3.2 Preparation of Audio aids for communication.

Unit 4 : Production of Visual aids :

4.1 Principles of Production of Visual aids

4.2 Preparation of Visual aids.

Unit 5: Production of Audio-Visual aids:

5.1 Principles of Audio-Visual aids

5.2 Preparation of Audio-Visual aids

Practicals:-

(1) Collect communicated audio and visual message communicated through different media.

(2) Preparation of audio aids (stories, folk songs) for communication of selected messages.

(3) Preparation of visual aids (chart, poster, models) for communication of selected messages.

(4) Preparation of Audio-Visual materials or programme for communication.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

(1) Dhama O.P., Bhatnagar, O.P.: Education and Communication for Development, Oxford and IBH Publishing Co.Pvt.Ltd., New Delhi.

(2) Dale Edgar: Audio-Visual Methods and Materials.

(3) Randy Thorn: Audio Craft: An Introduction to the tools and techniques of Audio Productivity. National Federation of Community Broadcaster Washington.

(4) Adidi Vyo: Mass Media Messages in Nutshell, Civilefis International, New York.

(5) Luppu Nicholas V.: Practical Guide to Interactive Video Designs, Croom Helm, London.

Syllabus Prescribed for B.Sc. Final (Home Science) Semester-VI (Implemented from the Session 2012-13)

Semester-VI Subject Code : 361RM38 Resource Management

Objectives:-

(1) To understand the factors influencing kitchen design.

(2) To gain knowledge of different materials of a family used for various surfaces in kitchen.

(3) To acquire knowledge about the principles of kitchen planning, dimensions of work centres and storage.

Course Content

Theory:

Unit-1: Kitchen as a important unit of a house:

1.1 Functions performed in kitchen.

1.2 Types of Kitchen – L-shape, U-Shape, one wall, broken U-shape, parallel wall kitchen etc.

Unit-2 : Principles of Kitchen Planning:

2.1 Orientation and location of a kitchen.

2.2 size and shape of a kitchen.

2.3 Ventilation and light.

2.4 Socio-economic status of a family.

2.5 Type of a family.

2.6 Culture and food habit of a family.

2.7 Cost and aesthetics.

2.8 Colour and safety.

Unit-3 : Ergonomical Consideration while Planning Kitchen:-

3.1 Principles of kitchen storage.

3.2 Storage needs – Work height of a different work centres and work area.

3.3 Work centres and work height – Space, dimensions of different work centres and work areas.

Unit-4: 4.1 Kitchen Lay-out Designing & Anthropometric Measurement of an individual workes.

4.2 Material specifications:Materials – Floor, walls, sink, ceiling and its characteristics, plat forms, storage etc.

4.3 Types of finishes.

- **Unit-5**: Essential Services needed in a kitchen:-.
 - 5.1 Water Supply hot and cold, tap fittings, water purifiers.
 - 5.2 Electricity Services Electrical current, air purifier, MCB fuses, Exhaust.
 - 5.3 Drainage Services Waste water, drainage system, types of traps etc.
 - 5.4 Waste disposal.

Practical:-

- (1) A survey of buying practices.
- (2) Evaluation of various advertisements, labels and packing.
- (3) A survey of materials available for kitchen finishes, storage trollies and modular kitchen.
- (4) Management of a function-any two.
- (5) Preparation of model kitchen model.
- (6) Planning of different kitchen layouts considering various kitchen sizes.
- **NOTE:** The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Gross, Crandall and knoll "management for modern families", 4th edition, appleton centry living, Wiley and Eastern, New Delhi.
- (2) Nickel P. and Dorsery J.M., "Management in family living", Wiley and Eastern, New Delhi.
- (3) Steldi R. and Braton EC, "Work in the Home", John Wiley and Sons, London 1963.
- (4) Currie R.M., B.E. and Faraday Toesh, "Work Study", 4th Edition Pitman Publishing, 1977.
- (5) Good Year M.K. and Kolhr M.C., "Managing for affective liging, John Wiley and Sons, INC, New York, 1991.
- (6) Marvin E. Mundel, "Motion and time study principles and practices", 3rd Edition, Prentice Hall, INC, 1960.
- (7) Young Stanely, "Management, A Decision Making Approach", Disconson Publishing Co.
- (8) Chatterji, "Introduction to Management".
- (9) Bharathi V.V., Jacintha M., "Family Resource Management", Discovery Publishing House, New Delhi.

- (10) Peet L.T., & Pickett M.S., Earnad M.G., Wool FIH, "Household Equipment", John Wiley and Sons, New York, 1970.
- (11) Peet L.T., & Thye L.S., "Household Equipment", John Wiley and Sons, New York, 1961.
- (12) John V.J., "Equipments for modern living", Macmillan Company, New York.
- (13) Kasu A.A., "Interior Design", Iquara Publication, Mumbai.
- (14) Deshpande R.S., Modern Ideal Home for India.
- (15) Varahese M.A.: A Atreya N.Bhatnagar and Chatterjee L., Ergohomics in Kitchen Design, Bombay, Deptt of P.G. Studies and Research in Home Science.
- (16) Agar Tessies 1986, The House, its plan and use, New York, J.B. Lippin Cott.

Semester-VI Subject Code : 362FN39 Food and Nutrition

Objectives:- This course will enable the students to-

- understand the concept of nutritional status & its relation to health.
- (2) know the methods used for assessment of nutritional status.
- (3) know effective methods of nutrition education.

Course Content

Theory:

- **Unit-1**: Nutritional Status Assessment : Meaning, need, objectives, importance.
- **Unit-2**: Direct Nutritional Assessment of Human Groups: Clinical signs, nutritional anthropometry, biochemical tests.
- **Unit-3**: Diet Surveys: Need and importance, methods of dietary survey.
- **Unit-4**: Sociological factors in the etiology and prevention of malnutrition.
 - Food production and availability, cultural influences, socioeconomic factors, food consumption, medical and educational services.
- **Unit-5**: Objectives, principles and scope of nutrition and health education. Methods of nutrition education.
 - Ongoing nutritional programmes.

Practicals:-

Objectives:- This course will enable the student to-

- take various anthropometric measures.
- assess the nutritional status of individuals and the communities.
- develop ability to give nutrition and health education to specific target groups.
- (1) Measurement of infant length, height, weight, circumferences, head, chest, mid upper arm, waist.
- (2) Comparison with norms and interpretation to assess nutritional status (weight for age, height for age, weight for height and BMI).
- (3) Clinical assessment and signs of nutrient deficiency for the following-
 - PEM, Vitamin A & D, Anemia, Rickets B-Complex deficiencies.
- (4) Estimating food and nutrient intake- Household food consumption data per consumption Unit, 24 hours dietary recall
- (5) Use of visual media Development of charts, posters for health and nutrition communication, flash cards and flip charts, puppet show in nutrition & health communication.
- (6) Visit of ongoing programmes where nutrition and health communication form a major part of programme inputs.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:

- 1) Swaminathan, M. "Essential of Food and Nutrition", Vol.I & II.
- 2) Mudambi S.R., and Rajgopal M.V., "Fundamental of food and Nutrition" Wiley Eastern limited, Ansari Road, New Delhi, 1983.
- 3) Davidson, Passmore, Brock, Truswell, "Human Nutrition and Dietetics" oxford & IBH publishing Co.
- 4) ICMR "Recommended Dietary Allowances."
- 5) ICMR "Nutritive value of Indian foods."
- 6) Mahtab Bamji, Vinodini Reddy & Pralhad Rao, 1996, "Text Book of Human Nutrition, "Oxford & IBH publishing Co.Pvt.Ltd., New Delhi.
- Okoye, Z.S.C. 1992, "Biochemical Aspects of Nutrition" Prentice Hall of India, New Delhi.
- 8) Joshi S.A. 1992, "Nutrition & Dietetics" Tata McGraw Hill Publishing Company Ltd., New Delhi.

- 9) Shrilakshmi B. 1993 "Dietetics" Wiley Eastern Limited Pune.
- 10) "Dietary Guidelines for Indians A manual" NIN ICMR, Hyderabad
- 11) P.K.Shukla, "Nutritional Problems of India" Prentice Hall Pub.
- 12) Park & Park "Preventive & Social Medicine".
- Ghose S. "The feeding and care of infants and young children" VHA, 1981.
- 14) Jellife D.B. "Infant Nutrition of the subtropics & tropics." WHA Geneva 1966.
- 15) The education planning group "Food and Nutrition" A Text book of H.Sc. for senior students, Arya Pub. House, Karol Bag, New Delhi. 1983.

Semester-VI Subject Code : 363HD40 Human Development

Objectives:

- (1) To make aware of the family in relation to social changes.
- (2) To create awareness regarding the contemporary issues in family studies.
- (3) To make the student aware of the various force that interact in family dynamics.
- (4) to enable the student to see the family as a primary social institution and its role in the all round development of the individual.

Course Content

Theory:

Unit-1: Marriage -

- 1.1 Definition function types of marriage.
- 1.2 Factors affecting marital relationship.
- 1.3 Hindu marriage law 1955, Christian, muslims, marital adjustment, changing nature of marriage.
- **Unit-2**: 2.1 Family Definition, function, common features of family.
 - 2.2 Family structure in India, advantages and disadvantages.
- **Unit-3**: 3.1 Family life cycle and its developmental task.
 - 3.2 The beginning of family, the child rearing family.
 - 3.3 The family with pre-school children. The family as a launching/centre, the family in middle years, the aging family.

- Unit-4: 4.1 Social changes in family: Industrilization, urbanization, social mobility, women's education, women's independence.
 - 4.2 Contemporary Issues :- Family violence, battered women. Child maltreatment. Sexual abuse, lawary divorce and remarriage, signal parent family.
- **Unit-5**: 5.1 Influence of extra familiar factors:-Film, T.V., Peer group, neighbourhood.
 - 5.2 Impact of social changes on the structure and function of family.

Practical:

- (1) Seminar and discussion.
- (2) Psychological Test
 - marriage
 - family
- (3) Visit to welfare organisation.
- (4) Resource file to be maintained in related to marriage and family relationship.
- (5) Prepare a questionnaire for any topic related to subject marriage relationship, met-setaction in low relationship family structure.
- **NOTE:** The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- 1) किशोरावस्था, विवाह एवं परिवार, श्रीमती गायत्री फ्रार्मन, श्रीमती शशीप्रभा जैन.
- मानव विकास द्वितीय संस्करण, डॉ.शशीप्रभा जैन.
- 3) Building a successful marriage Landis and Landis.
- 4) Marriage and family life cycle G.H.Groves.
- 5) Marriage and family in India K.M.Kapadiya.
- 6) Marriage for modern's Henry Bowmen.
- 7) Family Development Eyelyn Duvel.
- 8) Social work Paul Choudhari.
- 9) Social problems and social disorganisation in India C.B.Memoria.
- 10) Mental hygine B.B.Kelein
- 11) Govt. of India, ministry of Health & Family welfare (1982) National mental health programme for India.

Semester-VI Subject Code 364TC41 Textile and Clothing

Objectives :- To enable the students to impart knowledge of pattern making, regional embroidary and regional Textile Costume.

Course Content

Theory:

Unit 1 : 1.1 Drafting of child's bodice block (6 years)

1.2 Adoption of child's basic bodice block to design frock.

Unit 2 : Fitting - Individual fitting problem and remedy. Renovation of textiles.

Unit 3 : Dart - Types, function of dart. Manipulation of collars & sleeves.

Unit 4 : Regional embroideries of Kashmir, Bengal, Karnataka, Punjab, Himachal Pradesh, Gujrath, Kutch & Karnatak, Bihar, Rajasthan, Manipur, Assam.

Unit 5 : 5.1 Traditional Textiles of India Katamkari, Patola, Dhakka malmal, Pitambari, Chanderi, Paithani, Banarasi, Baluture Buttedar, Himru, Amru, Kinkhawab, Pichhawai.

5.2 Costumes of Maharashtra, Punjab, Rajastan, Gujrat, Andrapradesh.

Practicals:

- 1) Preparation of an Album of regional embroidery
- 2) Construction of Coller, Sleeves-Stiching
 - 1) Sari blouse
 - 2) Hipster.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- Premlata Mullick Garment Construction Skills, Kalyani Publishers, New Delhi.
- (2) Shailaja Naik Traditional Embroideries of India
- (3) Kamaladevi Chattopadhay Indian embroidery
- (4) Rustam Mehta Master rule of Indian textiles.
- (५) विमल अढाऊ वस्त्रशास्त्र, महाराष्ट्र राज्य ग्रंथ निर्मिती मंडळ.

Semester-VI Subject Code: 365CE42 Communication and Extension

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

- (1) get acquainted with the knowledge of programme planning and extension evaluation.
- (2) get experience of collecting and evaluating data (on any topic)
- (3) understand the methods of analysis of data.

Course Content

Theory:

- **Unit-1** : Programme Planning :
 - 1.1 Meaning, definition and importance.
 - 1.2 Objectives
 - 1.3 Principles.
- **Unit-2** : Programme Planning Process :
 - 2.1 Model
 - 2.2 Steps
 - 2.3 Methods
- **Unit-3**: Extension Programme Evaluation :
 - 3.1 Meaning and definition
 - 3.2 Objectives and advantages.
 - 3.3 Types of evaluation.
- Unit-4 : Evaluation Process :
 - 4.1 Principles
 - 4.2 Steps
 - 4.3 Problems
- **Unit-5**: Data Collection:
 - 5.1 Meaning and importance.
 - 5.2 Types of data.
 - 5.3 Methods of data collection.
 - 5.4 Analysis of data.

Practicals:-

- List out the programmes in implementation related to women's welfare.
- (2) Plan any one programme related with women's welfare.
- (3) Evaluate any one on going programme related to women's welfare.
- **NOTE:** The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Extension Education: Adiva Reddy
- (2) An Introduction to Extension Education: Dr.S.V.Supe
- (3) Education and Communication for Development O.P.Dhama and O.P.Bhatnagar
- (4) A Text Book of Extension Education :-Ranjit Singh, Sahitya Kala Prakashan, Ludhiana.
- (5) Programme Planning
- (6) सामुदायिक विकास आणि विस्तार शिक्षण प्रा.प्रा.वि.तिजारे
- (7) Communication and Social Development in India B.Kuppu Swamy, Sterling publication
- (8) सामुदायिक विकास वैरागडे
- (9) Extension Programme Planning A.S.Sandhu, Oxford & IBH Publishing Co. Pvt.Ltd., New Delhi.

Semester-VI Subject Code : 365HH43 Health, Hygiene and Microbiology

Objectives: To enable the students to-

- (1) know the personal and community hygiene
- (2) understand the physical environment

Course Content

Theory:

- **Unit-1**: 1.1 Concept of health.
 - 1.2 Dimensions of Health :- Physical, mental, social, spiritual, emotional, vocational.
 - 1.3 Concept of Diseases Concept of causation. Natural History of disease. Concept of control. Concept of preventions with level of prevention.
- **Unit-2**: 2.1 Destruction of Micro-organisms Methods of sterilisation & disinfections.
 - 2.2 Immunisation schedule.
- **Unit-3**: 3.1 Air and Ventilation Definition of ventilation. Types of ventilation.
 - 3.2 Air borne diseases Measle, chicken pox, whooping cough, diptheria.
- **Unit-4**: Structure, life cycle, mode of infection, harmful effects of Entamoeba, Hook worm. Tape worm, Thread worm.
- **Unit-5**: 5.1 Diseases carried by direct social contacts Syphilis, Gonorohoea, AIDS.

- 5.2 Importance of personal hygiene in life and its maintenance.
- 5.3 National family welfare programme.

Practical:-

- (1) Visit to Primary Health Centre.
- (2) Hanging drop preparation.
- (3) Slide preparation of Cocci and mucor.
- (4) Study of permanent slides of parasite.
- (5) Study of disinfectants.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) K.D.Chatterjee Parasitology,
- (2) R.E.Buchanum & Buchanum Bacteriology
- (3) Poltier, G.L.Lewis Laboratory manual of microbiology.
- (4) A.J.Selle Fundamental principal of Bacteriology
- (5) Frazier Food Microbiology
- (6) Dey N.C. Medical Bacteriology
- (7) R.L.Kotpal-Protozoa
- (8) R.L.Kotpal Anthropoda
- (9) Yashpal Bedi Hygiene and Public Health
- (10) Park J.E. & Park K. Text Book of Preventive and Social Medicine
- (11) Ghosh R.N. Manual of Preventive and Social Medicine.
- (12) Clark & Hendersoin Community Health
- (13) Goel S.L. Health Administration level and aspects.

ELECTIVE

Semester-VI Subject Code 36EL44.1 Dietetic Techniques & Patient Counselling II

Objectives: After completing the course students will be able to-

- (1) develop skills for patient counselling
- (2) interact effectively with patients and their families and to give dietary advice inthe context of patient's Socio-cultural and economic milleu.

Course Content

Theory:

Unit 1 : Importance and meaning of patient counselling

Unit 2 : 2.1 Patient education

2.2Importance of patient education 2.3Assessment of patient needs

Unit 3: 3.1Patient Counselling.

3.2 Establishing rapport

3.3 Resources and aids to counselling.

Unit 4 : Aesthetic attributes of diets

Unit 5 : Follow up visits and patient's education

Practical: Case studies and counselling for special diets and feeding methods: Tube feeds, burns, post surgical, hypertension, post heart attack, dialysis patients.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

Reference -

- (1) Dave, Endu (1984): The basic essentials of counselling, sterling publisher Pvt Ltd, New Delhi.
- (2) Barki B.C. Mukhopadhyay, B (1989): Guidance and counselling, A mannual sterling publishers, New Delhi.

Semester-VI Subject Code : 36EL44.2 Event Management II

Objectives: To increase creativity and management skills among students.

Course Content

Theory:

Unit 1: Evaluation: Meaning, Need and importance market research and analysis. Competition of event handling.

Unit 2: Factors of Evaluation of Event.

Time factor, Cost effectiveness, achievement of objectives, team effectiveness, impact of event etc. Feed back, its importance.

Unit 3 : SWOT Analysis of Team members.

- Environment analysis
- Competitive analysis

Internal Corporate analysis. Format for evaluation.

Unit 4: Report writing, types of reports, structure and style of report. presentation of skills.

Unit 5: Project.(preparation of project Report).

Project meaning, concept, types of project Generation of project ideas.

Project management and control planning organising, control.

Project appraisal and project report.

Practicals:-

Planning, execution & evaluation of any short term project.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Principles of management, by T. Ramaswamy Publishing House
- (2) Human Resource Management by A.M.Sarma, Himalaya Publishing House by A.M.Sarma. Himalaya Publishing House.
- (3) Human Resource Management by K.4. Aswathpa Tata Mc Gram Hill.
- (4) Business Communication by Dr. V.K. Jain and Dr. Om Prakash Biyani. S. Chand and Company.
- (5) Business Communication by Urmila Rai, and S.M. Rai. Himalaya Publishing Company.
- (6) Project Management by S. Chaudhary.
- (7) Project Management by Kunal Ghosh.
- (8) Organisation Beheaviour by Robin S.P. Prentice Hall of India -New Delhi

Semester-VI Subject Code : 36EL44.3 Regional Embroidery & its Application II

Objectives :- After completion of the course students will develop skill in Gujrat embroidery.

Course Content:

Theory:

Unit 1: Embriodery of Gujrat: Origin and development.

Unit 2: Diversity of Gujrat Embriodery.

Unit 3: Traditional and cultural importance.

Unit 4: Traditional colours, motifs, designs and material used in

Gujrat Embriodery.

Unit 5: Innovative application of Gujrat Embriodery.

Practicals: Application of Gujrat Embriodery on Costume.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Indian embroidery Kamladevi Chattopadhay
- (2) Traditional embroideries of India Shailaja Naik.
- (3) Ethenic embroidery of India Usha Shrikant.

Semester-VI Subject Code : 36EL44.4 Geriatric Care II

Objectives- After completion of course students will be able to develop skills for organising activities for the elderly.

Course Content

Theory:

Unit 1 : Adjustment patterns and changing lifestyles in old age.

1.1 Retirement years and marital adjustment.

1.2 Grant parenthood

1.3 Widowhood / singlehood

Unit 2 : Attitude towards retirement benefits, freedom of retirees.

Unit 3 : Services for the aged :

Categories of services: Housing, health, leisure time activities.

Unit 4 : Institution for the aged -day care centresUnit 5 : Economic programmes for the aged :

5.1 Re-engagement (after retirement)

5.2 Retirement pension, death cum retirement Gratuity, provident fund, insurance scheme, health measures.

Practicals:

- (1) Organise recreational activities in homes for aged.
- (2) Arranging special service / counselling activities for the aged with the help of research person. e.g. Yoga lectures etc.

(3) Presentations, debates on issues and perspectives related to different aspects of the senior citizen's life.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:

- (1) Johnson Elizabeth (1982) Growing old; Social problem of aging, New York, Hold Rinehart and Winston.
- (2) Sharma M.L. and T.M. Dak (1987), Aging in India: Challenge for the Society, Delhi: Janta Pub.

Semester-VI Subject Code : 36EL44.5 Audio Visual Production-II

Objective :- After completing the course, students will be able to develop the skill of audio-visual aids production.

Course Content

Theory:

Unit 1: Selection of audio-visual aids for Communication:

- 1.1 Criteria of selection.
- 1.2 Advantages and disadvantages / limitations.

Unit 2 : Classification of Audio-visual aids:

- 2.1 Projected aids
- 2.2 Non-projected aids.

Unit 3 : Production of Audio aids :

- 3.1 Machine audio aids CDs, Radio Programme
- 3.2 Non-machine audio aids Folk songs, stories and lecture.

Unit 4 : Production of Visual aids :

- 4.1 Projected visual aids Transparencies, slides.
- 4.2 Non-projected visual aids Charts, posters.

Unit 5 : Production of Audio-Visual aids :

- 5.1 Machine Audio-Visual aids Video films.
- 5.2 Non-machine Audio-Visual aids Street Play, Puppet show.

Practicals:-

(1) Evaluation of messages communicated through Audio, Visual and Audio-Visual aids.

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- (2) Production of any one audio aid.
- (3) Production of any one visual aid.
- (4) Production of any one audio-visual aid.

NOTE: The strength of a batch of practical & tutorials for under graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.

References:-

- (1) Dhama O.P., Bhatnagar, O.P.: Education and Communication for Development, Oxford and IBH Publishing Co.Pvt.Ltd., New Delhi.
- (2) Dale Edgar: Audio-Visual Methods and Materials.
- (3) Randy Thorn: Audio Craft: An Introduction to the tools and techniques of Audio Productivity. National Federation of Community Broadcaster Washington.
- (4) Adidi Vyo: Mass Media Messages in Nutshell, Civilefis International, New York.
- (5) Luppu Nicholas V.: Practical Guide to Interactive Video Designs, Croom Helm, London.
