

# University of Rajasthan Jaipur

# **SYLLABUS**

B.Sc. (HOME SCIENCE)

PART-I

Examination-2023

BACHELOR OF SCIENCE - PART I (Home Science)

SCHEME OF EXAMENATION

The number of payers and he maximum marks for each paper together with the maximum marks required for a past course are shown in the scheme of examination against each subject separately. It will be necessary for a calculate to the interval as well as precised part of a subject paper, wherever preservibed, separately, Castification of sincerstaft cardisting the so follows:

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First Division 60% of the aggregate marks prescribed in honorsand subsidiary subjects of
PLI, Pt.II and Pt.IIIcxamination taken together.

Second Division 48% of the aggregate marks prescribed in honors and subsidiary subjects of Pt.I, Pt.II and Pt.III examination taken together.

All the rest will be declared to have passed the examination if they obtain the minin marks viz, 36% in each paper. No division shall be awarded at the P. I and Pt. II exam Eligibility Criteria

Girl Candidates who have passed 12th class or equivalent examination of (10+2) scheme, with at least 50% marks in aggregate are eligible for admission to B.Sa.(Home Science) course (Pari- I).

S.S. (Some Science) come (Par. I).

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#### Distribution of papers

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Eligibility Criteria

BACHELOR OF SCIENCE - PART I (Home Science)

(10+2+3 Pattern)
SCHEME OF EXAMINATION

First Division 65% of the aggregate marks prescribed in honoceand subsidiary subjects of PLI, PLII and PLIII examination tulent together.

Second Division 48% of the aggregate marks prescribed in honors and subsidiary subjects of PLI, PLII and PLIII examination taken together.

The number of papers and the maximum marks for each paper together with the maximum marks required for a person course are shown in the scheme of examination against each subject separately. It will be necessary for a cading to the in theory as well as practical part of a subject paper, wherever prescribed, separately, Chaulfination or siscensiful cading the second conditions and the second conditions of the second co

All the rest will be declared to have passed the examination if they obtain the minimum pass marks viz. 36% in each paper. No division shall be awarded at the P.I. and Pt.II examination.

Orl: Candidates who have passed 12th class or equivalent examination of (10+2) scheme, with at least 50% marks in aggregate are eligible for admission to B.Sc.(Home-Science) course (Part-I).

- B.S. (Flow Science) course (Nov. 1).

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  1. Port 1. will comprise (1. pr. port units or gardening of 2 mints each. The answer to each question to be added the present the second or the present the will the failth of Flow words.

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#### Distribution of papers

Distribution of papers

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The marks of peopers for qualifying papers' shall not reckon towards division. The candidates are required to poss in the theory as well as practicals, separately.

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BACHELOR OF SCIENCE - PART I (Home Science) SCHEME OF EXAMINATION

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Pt.I. Pt.II and Pt.III examination taken together.

Second Division 48% of the aggregate marks prescribed in honors and subsidiary subjects of Pt.I, Pt.II and Pt.III examination taken together. All the rest will be declared to have passed the examination if they obtain the minimum pass marks viz. 36% in each paper, No division shall be awarded at the Pt.I and Pt.II examination.

Ori Candidates who have passed 12th class or equivalent examination of (10+2) scheme, with at least 50% marks in aggregate are eligible for admission to B.Sc.(Home-Science) course (Part-I).

B.S. (Name Sciente) course (Part. 1).

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#### Distribution of naners

Eligibility Criteria

Distribution of papers

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BACHELOR OF SCIENCE - PART I (Home Science)

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to its account.

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Second Division 48% of the aggregate marks prescribed in honors and subsidiary subjects of P.I. P.II and P.III examination taken together.

All the rest will be declared to have passed the examination if they obtain the minimum gos-marks viz. 36% in each paper. No division shall be awarded at the P. I. and P. II examination.

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Distribution of papers

The candidates shall be required to offer all the papers under the Heading 'qualifying papers'. 
The marks of papers for qualifying papers' shall not reckon towards division. The candidates are required to pass in the theory as well as practicals, separately.

Gri Candidates who have passed 12th class or equivalent examination of (10+2) scheme, with at least 50% makes in aggregate are eligible for admission to B.Sc (Home Science) coarse (Part-I).

(10+2+3 Pattern)
SCHEME OF EXAMINATION

Eligibility Criteria

Distribution of paners

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## Scheme for B.Sc. Home Science Part I

Paper	Subjects	Duration of Exam	Max Marks	Min Mar	l .	No. of Hr/wk	No. of Hr/wk
Compuls	sory Subjects					Th	Pr
1.	General Hindi	3 hrs	100	36		3	
2.	General English	3 hrs	100	36	-	3	
3.	Environmental Studies	2hrs	100	36		2	
4.	Elementary Computer Application(Theory)	2hrs	60	21		3	2
	(Practical)	2 hrs	40	13			
I	Textile & Apparel Designing (Theory)I	3 hrs	100	36		4	
	Textile & Apparel Designing	3 hrs	50	18			2
	(Practical)I						
II	Development Communication &	3 hrs	100	36		4	5
	extension (Theory)II Development Communication & Extension (Practical)II	3 hrs	50	18			2
Ш	Foundation of Human Development	3 hrs	100	36		4	
	(Theory)III Methods of Human Study (Practical)III	3 hrs	50	18			2
IV	Introduction to Foods (Theory)IV Introduction to	3 hrs	100	36		4	2
	Foods (Practical)IV	3 hrs	50	18			
V	Elementary Design in Housing (Theory)V	3 hrs	100	36		4	
	Elementary Design in Housing (Practical)V	3 hrs	50	18			2
		Total	1150	412		31+	12=43

## बी.ए./बी.एससी./बी.कॉम./बॉर्क्स-प्रथम वर्ष (कला, विज्ञान एवं वाणिज्य संकाय) सामान्य हिन्दी

## पूर्णीक 100

न्यूनतम उत्तीर्णांक 36

नोट : 36 से कम अंक लाने पर छात्रों को उत्तीर्ण नहीं किया जायेगा। इस प्रश्नपत्र में प्राप्त अंकों को श्रेणी निर्धारण हेतु नहीं जोड़ा जायेगा।

अंक विभाजन – प्रश्नपत्र में दो भाग होंगे – 1. साहित्य खण्ड एवं 2. व्याकरण खण्ड। साहित्य खण्ड में दो भाग होंगे - गद्य भाग एवं पद्य भाग। प्रत्येक खण्ड के लिए 50 अंक निर्धारित है।

अंक विभाजन

50 अंक

8	दो व्याख्या पद्य से (प्रत्येक में विकल्प देना है)	$5 \times 2 =$	10 अंक
•	दो व्याख्या गद्य से (प्रत्येक में विकल्प देना है)	5 x 2 =	10 अंक
Ġ	आलोचनात्मक प्रश्न पद्य से (विकल्प देना है)	$7\frac{1}{2}$ X 2 =	१५ अंक
0	आलोचनात्मक प्रश्न गद्य से (विकल्प देना है)	$7\frac{1}{2}x = 2$	15 अंक

#### क. साहित्य खण्ड - गद्य-पद्य की निर्धारित रचनाएं

#### गद्य भाग -

1.	कहानी	_	हार की जीत – सुदर्शन
2.	निबंध	· -	नाखून क्यों बढ़ते हैं – आ. हजारी प्रसाद द्विवेदी
3.	संस्मरण	_	असीम औ' ससीम के बीच — अज्ञेय
4.	रेखाचित्र	_	गौरा – महादेवी वर्मा
5.	व्यंग्य	_	प्रेमचंद के फटे जूते – हरिशंकर परसाई
6.	रिपोर्ताज		स्टिल लाइफ – फंणीश्वरनाथ रेणु
	साध्य-साधन एकत्व	_	नन्दिकशोर आचार्य
8.	पर्यावरणीय निबंध	. —	आज भी खरे हैं तालाब — अनुपम मिश्र

#### ख. पद्य भाग

1.	कबीर	_	कबीर ग्रंथावली, संपादक — श्यामसुंदर दास
			सुमिरन कौ अंग — साखी संख्या — 17, 21, 27, 29 📁 = 4
			विरह कौ अंग — साखी संख्या — 3, 5, 20, 29 📁 = 4
	•		यितावणी कौ अंग – रााखी संख्या – 2, 8, 12, 18
2.	सूरदास		सूरसागर सार, संपादक – डॉ. धीरेन्द्र वर्मा
	•		विनय भक्ति पद – 21, 33
		_	यशोदा हरि पालने झुलावै, खेलत में को काको गुसैंया
			मैया मोहि दाऊ बहुत खिझायों
			आये योग सिखावन पाण्डे = 6 पद
3.	तुलसीदास	_	रामचरित मानस – लंका काण्ड – (रावनुरथी विरथ रघुवीरा
			निज–निज प्रभुआन।
4.	मीरां		मीरां पदावली — सं0 शंभुसिंह मनोहर
			मन थें परस हरि के चरण (01), थारो रूप देख्यां अटकी (09)
			मो हे रावरे के रंग की राँची (19) मैं तो गिरिधर के घर जाऊ(20)
			म्हाँ गिरिधर के रंग राती वहाँ (26)
5.	रहीम		रहीम ग्रंथावली, सं० – विद्यानिवास मिश्र तथा डॉ. गोविन्द रजनीश
•			दोहा संख्या — 186, 191, 211, 212, 214, 218, 219, 220, 223,
			224 = 10 दोहे
6.	मैथिलीशरण गुप्त	_	साकेत – कैकेयी अनुताप
-			(तदनन्तर बैठी सभा उटज के आगे विनय आज यह माता)
7.	निराला		वह तोड़ती पत्थर, भिक्षुक
8.	अज्ञेय		भीतर जागा दाता है जिंदी
9.	नागार्जुन		भीतर जागा दाता कालिदास के प्रति  Dy. Registrar (Acad.)
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ख	ाण्ड 2. व्याकरण/व्या <b></b>	वहारिक '	हिन्दी –	50	अंक
1.	निबन्ध लेखन	-	शब्द सीमा - 300 शब्द	8	अंक
2.	कार्यालयी पत्र	-	शासकीय, अर्द्धशासकीय, कार्यालय ज्ञापन,		
			कार्यालय आदेश, अधिसूचना, पृष्ठांकन	$3\frac{1}{2}x2 =$	७ अंक
3.	संक्षेपण	-		5	अंक
4.	पल्लवन	-	<b>★</b>	5	अंक
5.	शब्द निर्माण	_	उपसर्ग, प्रत्यय, संधि, समास	5	अंक
6.	शब्द के प्रकार		संज्ञा, सर्वनाम, क्रिया एवं क्रिया विशेषण		अंक
7.	शब्द शुद्धि एवं वाक्य	शुद्धि			अंक
8.	मुहावरे एवं लोकोक्ति	•			अंक
9.	पारिभाषिक शब्दावली	(अंग्रेजी	के 5 पारिभाषिक शब्दों के हिन्दी रूप)	. 5	अंक

## 2. GENERAL ENGLISH

## B.Sc. Part-I

Duration: 3 hrs.

Max. Marks: 100

Minimum Pass Marks: 36

The syllabus aims at achieving the following objectives:

- 1. Introducing students to phonetics and enabling them to consult dictionaries for correct pronunciation (sounds and word stress)
- 2. Reinforcing selected components of grammar and usage
- 3. Strengthening comprehension of poetry, prose and short-stories
- 4. Strengthening compositional skills in English for paragraph writing. CVs and job applications.

The Pattern of the Question Paper will be as follows:

Unit A: Phonetics and Translation	(20 marks)
(10 periods)	(=0 11111115)
I Phonetic Symbols and Transcription of Words	(05)
III Translation of 5 Simple sentences from Hindi to English	(05)
from English to Hindi	(05)
IV Translation of 05 Words from Hindi to English	$(2^{1/2})$
from English to Hindi	$(2^{1/2})$
Unit B: Grammar and Usage (10 periods)	(25 marks)
I Elements of a Sentence	(05)
II Transformation of Sentences	(05)
<ul><li>a. Direct and Indirect Narration</li><li>b. Active and Passive Voice</li></ul>	
II Modals	(05)
III Tense	(05)
IV Punctuation of a Short Passage with 10 Punctuation Marks	(05)
(As discussed in Quirk and Greenbaum)	

Unit C: Comprehension

(25 marks)

Following Essays and Stories in *Essential Language Skills* revised edition compiled by Macmillan for University of Rajasthan General English B. A. /B. Com./B. Sc.

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur

Syllabus : B.Sc.- (Part-I)

Candidates will be required to answer 5 questions out of ten questions from the prescribed texts. Each question will be of two (2) marks. (10)

Sujata Bhastt

Voice of the Unwanted Girl

Ruskin Bond

Night Train for Deoli

M.K. Gandhi

The Birth of Khadi

J.L. Nehru

A Tryst with Destiny

A.P.J. Abdul Kalam

Vision for 2020

The candidates will be required to answer 5 questions from an unseen passage. (10)

One vocabulary question of 10 words from the given passage.

**(5)** 

Unit D: Compositional Skills marks)

(30

(15 periods)

I Letters-Formal and Informal

(10)

II CV's Resume and Job Applications

and Report

(10)

III Paragraph Writing

(10)

## Recommended Reading:

Sasikumar, V., Dutta and Rajeevan, A Course in Listening and Speaking-I Foundation Books. 2005.

Sawhney, Panja and Verma eds. English At the Workplace, Macmillan 2003.

Singh, R.P. Professional Communication. OUP. 2004

Judith Leigh. CVs and Job Applications. OUP. 2004

Arthur Waldhorn and Arthur Zeiger, English Made Simple. Upa and Co.

Gunashekar ed. A Foundation English Course for Undergraduates. Book I, CIEFL, Hyderabad.

Quirk and Greenbaum: A University Grammar of English Longman, 1973

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Dy. Registrar (Academic-I) University of Rajasthan Daipur

Syllabus : B.Sc.- (Part-I) Syllabus : B.Sc.- (Part-I) Syllabus : B.Sc.- (Part-I) Syllabus : B.Sc.- (Part-I) Pollution case studies
 Disaster management: floods earthquake, cyclone and landslides Pollution case studies

Disaster management: floods earthquake, cyclone and fandslides Pollution case studies
Disaster management: floods earthquake, cyclone and landslides Unit 6 : Social issues, Environment, Laws and Sustainability Unit 6 : Social issues, Environment, Laws and Sustainability Unit 6 : Social issues, Environment, Laws and Sustainability Unit 6 : Social issues, Environment, Laws and Sustainability From Unsustatinable to Sustainable development
Urban problems related to energy
Water conservation, rain water harvesting, watershed management
Resemblement and rehabilitation of people; its problems and concerns. Case
smalles From Unsustainable to Sustainable development
 Urbas problems related to energy
 Weter conservation, min water harvesting, watershed management
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Urban problems related to energy

Water conservation, rain water harvesting, watershed management
Resettement and rehabilitation of people; its problems and concerns. Caus From Unsustainable to Sustainable development
Urban problems related to energy
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Rescellement and rehabilitation of people; its problems and concerns. Cauc
studies Recettlement and rehabilitation of people; its problems and concerns. Causatales
Environmental ethics: Issue and possible solution.

Climate change, global varming, and rain oxone layer depletion, nuclear
sections and holecaus. Cate surface, and oxone layer depletion, nuclear
writestand recharation.

Consumerism and wraste product.

Devicemental Protection Act.

Air (Povension and Course of a Pollution). Act
with life protection.

For a Conservation Act

Biological Diversity Act

Biological Diversity Act

Biological Diversity Act

Biological incommental engineering and public Awarenes. Environmental ethics: Issues and possible solution.

Climate change, global warming, acid rain ozone layer depletion, nuclear accidents and holocaust. Case studies Environmental ethics: Issues and possible solution.
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wasteland reclamation.
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Proviousmental Protection Act.
Wild life protection Act
Found Connection Act and Connection Act wild life protection Act and Connection Environmental ethics: Issues and possible solution. Environmental ethics: Issues and possible solution.
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solvednum and housess. Cross makes
Washindar reclamation.
Consumentian and waste product.
Environmental Protection Act.
Art (Pre-writin and Control of Pollution)Act
Wild life protection Act
Feorest Conservation Act
Biological Diversity Act
Issues involved in enforcement of environmental legislation
Public Awarmens. ental ethics: Issues and possible solution. Climate change, goods wasuing, and town concludes and holocants. Case studies was choiced and and holocants. Case studies wasted and waste product.

Environmental Protection Act.

Environmental Protection Act.

Forest Conservation and Control of Follishon/Act Will dis protection Act.

Forest Conservation Act Discoveration Act Biological Discovery Act Issues involved in enforcement of environment Public Awareness. Human Population and the Environment ruman Population and the Environment Pepulation growth, varietion among nations Population explosion-Family Welfare Programme Environment and Imman health Human Rights Value Education HIV/AIDS Women and Child Welfare Role of Information Technology in Environment and Case Studies Puttina Population and the Environment Population provide, variation among nations Population revolution explosion-Family Welfare Program Environment and Human health Human Rights Value Education HIV/AIDS Women and Child Welfare Role of Information Technology in Environment Case Studies Tuman Population and the Environment
Population growth, variation among antions
Population explosion-Family Welfare Programme
Environment and Environment and Environment and Editor
Hurnan Rights
Value Education
HIV/AIDS
Women and Child Welfare
Role of Information Technology in Environment an
Case Studies ruman Population and the Environment
Population growth, varietion among audions
Population explosions-Family Welfare Programme
Provincement and Rights
Human Rights
Human Rights
HIV/AIDS
HIV/AIDS
HIV/AIDS
Rottenston Hiv/AIDS
Rottenston Environment at
Rottenston Enformation Technology in Environment at
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## Suggested Readings:-

- 1. Diwan A.P. and Arora D.K.1995. Human Ecology Anmol Publication Pvt.Ltd., New Delhi.
- Dubey, R.M.1992. Human Ecology and Environmental Education, Chaugh 2. Publications, Allahabad.
- Goudie, Andrew. The Human Impact. 3.
- Husain Maxia.1994 Human Geography, Rawat Publication, Jaipur. 4.
- Johnston, R.J.Ed.1986 Dictionary of Human geography, National Publication, New 5.
- Malik, S.L. and Bhattacharya D.K. 1986. Aspects of Human Ecology, Northern Book 6. Center, New Delhi.
- Mishra, R.P and Bhooshan, B.S. 1979. Human Settlements in Asia. Public, Polices and 7. programmes Haritage publisher, New Delhi.
- Nathawat, G.S.1985. Human Ecology, An Indian perspective, Indian Human 8. Ecology Council, Jaipur.
- Russel, Bartrand, 1976.Impact of Science of society Unwin, Publisher, Indian. 9. (paper back).
- Sinha Rajiv, 1996. Gloobal Biodiversity Ina., Shri publication, Jaipur. 10.
- 11. Rajiv K., 1994. Development without Desertrction 14. Environmentalist, Jaipur. Sinha Rajiv K., 1996. Environmental Crises and Human at Risk,In A Shri Publication,Jaipur.
- Smith, Dlanne, 1984. Urban Ecology, George Allen, London. 12.
- Swarnkar, R.C.1985.Indian Tribes.Printwell publisher,Jaipur. 13.
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Dy. Registrar (Academic-I) University of Rajasthan

11

# 4. Elementary Computer Applications

Maximum Marks- 100 (Main University Examinations)

Theory : Max. Marks -60 Practical: Max. Marks- 40

Each Candidate has to pass in Theory and Practical Examinations separately.

Question paper for Elementary Computer Applications, (Compulsory papercommon for B.A. / B.Sc./ B.Com. Part-I) be so set that it has 120 multiple choice questions (Bilingual) of 1/2 marks each. The question paper will be of duration of 2 hours. The examinees will have to give their answers on OMR Sheet only to be provided by the University whose evaluation will be done based on OMR Scanning Technology. Further the practical examination for this paper will be of 40 marks and its duration will be of 2 hours.

#### Unit - I

Introduction to information technology: Evolution and generation of computers, type of computers, micro, mini, mainframe and super computer. Another line of a computer system: CPU, ALU, Memory (Ram, Rom families)cache menusy reput

Concept of Operating system, need types of operating systems, batch, single user, multi - processing, distributed and timeshared operating systems, introduction of Unix. Linux. Windows, Window NT. Programming languages Low level and high level languages, generation of languages, 3 GL and 4 GL languages. Graphic

#### Unit - II

Word Processing tool: Introduction, Creating, Saving, Copy, Move and Delete. Checking Spelling and Grammer. Page Layout. interface, toolbars, ruler, menus keyboard shortcut, editing. Text Formatting, insert headers and footers. Bullets and Numbering. Find and Replace etc. Insert Table and Picture, Macro, Mail

Power Point: Creating and viewing a presentation, managing slide shows navigating through a presentation using hyperlinks, advanced navigation with action setting and action buttons. Organizing formats with Master Slides applying and modifying designs adding graphics, multimedia and special effect

#### Unit - III

Electronic Spreadsheet: Worksheet types of create and open a worksheet. Entering data text numbers and formula in a worksheet inserting and deleting cells, cell formatting, inserting rows and columns in a worksheet formatting worksheets. Using various formula and inbuilt function. Update worksheet using special tools like spell check and auto correct setup the page

hargins of worksheets for printing, Format the data in the worksheet globalty or selectively. creating charts. Enhance worksheets using charts, multiple worksheets-concepts

#### Unit - IV

The Internet - History and Functions of the Internet, Working with Internet, Web Browsers, World Wide Web, Uniform Resource Locator and Domain Names, Uses of Internet, Search for Information, Email, Chatting, Instant messenger services, News, Group, Teleconferencing, Video-Conferencing, E-Commerce and M-Commerce.

Manage an E-mail Account, E-mail Address. configure E-mail Account, log to an E-mail, Receive E-mail, Sending mails, sending files an attachments and Address Book, Downloading Files, online form filling, E-Services - E-Banking and E-Learning.

### Unit - V

Social, Ethical and Legal Matters - Effects on the way we: Work Socialise, Open Cyber crime, Prevention of crime, Cyber law: Indian IT Act, Intellectual property Spitware piracy, Copyright and Patent, Software licensing, Proprietary software, Free and Open source

Network Security - Risk assessment and security measures, Assets and types (data, applications, system and network), Security threats and attacks (passive, active); types and effects (e.g. Identity theft, denial of services, computer virus etc.), Security issues and security measures (Firewalls, encryption/decryption). Prevention.

# Question Paper pattern for Main University Practical Examination

Max Marks: 40

#### Practical

The practical exercises will be designed to help in the understanding of concepts of computer and the utilization in the areas outlined in the theory syllabus. The emphasis should be on practical usage rather than on theoretical concepts only.

The practical examination scheme should be as follows -

- Three Practical Exercise (including Attendance & Record performance
  - o Operating system
  - c MS Word
  - MS Excel
  - MS Power Point
  - Internet
- Viva-voce

10 marks Dy. Registra

## B.SC. HOME SCIENCE PART I

Max	Marks: - 100 marks	<u>I)</u>
	ching workload: 4 hours/week	
Tota	al teaching workload: 96 hours/year	
Obj	ectives:	
1	To teach students the basics of designing	
2	. To make them learn the application of these to appear	
3	To familiarize them to the rich heritage of woven, printed and embroidered India	
		textiles (
4	To introduce the basics of Fashion	
Con	tents:	
UNI		
1.	Design	
		10
	<ul> <li>Classification of design: structural and decorative designs as applied textiles</li> </ul>	0
	Introduction to Basic designing – Motif and repeat	
	Types of design :- Natural extiling 1	
2.	Types of design: - Natural, stylised, geometrical and abstract Concept of design	
	• Elements of design – line, form, colour and texture	20
	Principals of design – balance, proportion, emphasis, rhythm and harmony	
	harmony balance, proportion, emphasis, rhythm and	d
	Application of elements and principles of design related to apparel  -II	
UNIT	-II	
3.	Study in reference to origin, material used, processing techniques, colours and	Hours
	motifs usedTraditional Woven Textiles	1 10
	Bengal – Jamdani , Baluchari	
	Tamilnadu – kanjeevaram	
	Maharasthra – Paithani	
	<ul> <li>Madhya Pradesh – Chanderi</li> </ul>	
	Uttar Pradesh – Brocades	
•	Traditional Dyed Textiles	5
	Rajasthan – Bandhani	3
	Andhra Pradesh – Ikat	
,	Gujarat – Patola	
	Traditional Painted & Printed textiles	
	Andhra Pradesh – Kalamkari – Kalahasti & Masulipatnam	10
	Nathdwara – Pichwais	
	Orrisa – Patachitra	
	Rajasthan – Sanganer and Bagru	AND COMMENTS OF THE PARTY OF TH
	Traditional Embroideries	
	<ul> <li>Jammu &amp; Kashmir - Kashida</li> </ul>	
	Gujarat – Kutch	10
	Punjab – Phulkari	
	<ul> <li>Uttar Pradesh – Chikankari and zardosi</li> </ul>	
	Karnataka – Kasuti	
	<ul> <li>West Bengal – Kantha</li> </ul>	
	Conservation and restoration of textiles	
	Special care of textiles	5

UNI	[-III	Hours
8.	Fashions	10
	<ul> <li>Principles of Fashion</li> </ul>	100
	Theories of Fashion	
	Fashion Cycle	
9.	• Factors favouring and retarding Fashion Fashion Designers and centres	10
	Sources of Fashion	
	Fashion Centres	
10	Role of Designers	
10.	Indian Designer	
	Fashion Marketing	6
	<ul> <li>Fashion market &amp; marketing environment</li> </ul>	

#### References:

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- 11. Agarwal, O.P., (1977), Care and Presentation of Museum projects II, NRL.
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- Tate, S.L.andEdwards , M.S. (1982) The Complete Book of Fashion Design , , Harper & Row Publication. New York

## TEXTILE & APPAREL DESIGNING (PRACTICAL -I)

#### Max Marks: - 50 marks

Teaching workload: one practical/week (2 hours/practical)

Total teaching workload: 24 practicals/batch

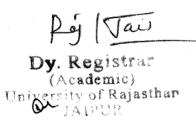
#### **Objectives:**

- 1. To train the students to use the elements of designing
- 2. To make them learn the application of these to apparels in sketching.
- 3. To impart skill of embroideries of different states of India.

Conte		
Pract		
1.	Introduction to elements of design	4
	• Line and form – through drawings	
	<ul> <li>Colour – colour wheel, grey scale and value scale, in ensity scale, colour schemes.</li> </ul>	
2.	Preparation of port folio using traditional motifs	
	Natural	4
	Stylised	
	Geometrical & abstract	
3.	Preparation of traditional Embroidery samples	
	Kasuti	10
	Chikankari	
	Kashmiri	
	Phulkari	
	Kantha	
4.	Fashion sketching	
	• Technical drawing of fashion details: sleeves, yolks & necklines, bodices	6
	and skirts	
-	Designing & Dressing on a croquie	
	Formal & Traditional Wear	
Exam	nination Scheme	<u> </u>
Intern	al – 20 Marks	
Major	Problem – 20 Marks (Embroidery)	
Minor	r Problem – 10 Marks (Drawing)	
Max l	ELOPMENT COMMUNICATION AND EXTENSION (THEORY II) Marks: - 100 marks hing workload: 4 hours/week teaching workload: 96 hours/year	
	etives:	
	To make the students understand the concept of Extension and its related aspects.	
2.	To understand the existing supports structure for development efforts.	
3.	To sensitize the students and help them to understand the process of communicat	ion and
	its importance	
Unit -		Hours
1	Concept of Education, Extension Education, adult education, distance education, Formal, Non Formal and Informal Education	6
2	Concept Magning aliesting C	12
	Education Education	12
3	Earlier extension efforts in India: Pre and Post Independence period	8
4	Home Science Extension: Concept, Scope and its role in national development	6
5	Extension Worker: Qualities and Role	4
Unit -		•
6	Community: Meaning and its Characteristics	2
7	Concept and Characteristics of different types of Community - Rural, Urban,	6
· ·	Slum and tribal communities	
8	Community organization: meaning, scope, principles and process	8
9	Role and quality of a community organizer	4
10	Support structures for extension- Panchayat, Cooperatives, Voluntary	12
	organisations (NGO), Women groups, Youth club and KVK	

Uni	it – III
11	Communication- Concept, meaning, Purpose, Function and importance
12	I VDCS OF Urganisational Communication Co. 1 / vvv to 1
	interpersonal, Verbal v/s Non verbal
13	Models of Communication and Key Florents Asia of
	Berlo and Leagan's
14	Effective communication France C C
	Effective communication- Frame of reference, perception, fidelity, 4
Refe	communication gap, time lag, empathy, homophily, hetrophily
KCI	
	1. Dahama O.P. (1988): Education and Communication for Development, Oxford a
	2. Directorate of Adult Education, Govt. of India (1994): New Delhi, Literacy Dige
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	3. Hussain Institute for non-formal and continuing education
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	5. Kindervalter, Suzanne (1979): Non-formal Education as an Empowering Process
	Centre for International Education, 285, Hills House South Amherst, Massachused
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	- worldier , O.M.D. Highway . Jahnif
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	Publishers in association with Dr. Zolin III.
	Publishers in association with Dr. Zakir Hussain Institute of Non-formal and Continuing Education.
	o summaring Education.
	DEVELOPMENT COMMUNICATION AND
av N	DEVELOPMENT COMMUNICATION AND EXTENSION (PRACTICAL)  Marks: - 50 marks
	viai ks 50 marks
cacil otol	togehing workload: one practical/week (2 hours/practical)
otai	teaching workload: 24 practicals/batch
	tives-
1.	To develop skills for small group communication skills
2.	To develop skills of self analysis
	Visit of Community organizations (one Found and I to
	• PHC
	• NGO

	Panchayat	
	Aanganwari	
	Women Organisation's	
	• School	
	Cooperative	
	Youth Club	
2	Prepare a resource file and discuss the uses, advantages and limitations	6
	with reference to –	
	Folk Media	
	Print Media	
	Electronic Media	
	Internet based media	
3	Planning and execution of any two small group communication for	8
	development of reading, writing and oral skills	
	Meeting	
	Discussion/ FGD	
	• Debate	
	Workshop	
	Planning criteria – selection of the topic, formulation of broad outline,	
	specifying the objective, designing and use of graphic media	
4	SWOT analysis to know oneself	4
	FOUNDATION OF HUMAN DEVELOPMENT -( THEORY III)	
	Marks: - 100 marks	
Teach	ning workload: 4 hours/week	
ODE	teaching workload: 96 hours/year	
	ECTIVES:	
1.	To introduce the foundation of human development knowledge and constudents.	cepts to the
2		
۳.	To familiarize them with basic controversies, themes and theories of human d	evelopment.
UNIT		
1.	Multidisciplinary Approaches to the Study of Human Development.	Hours
	Scope and Contributions of the Fields of Psychology, Sociology,	10
	Anthropology, Medicine and other related fields.	
2.	Historical journey of Human Development. Human	10
	Development Today.	12
	Development Today.	
UNIT	<u>-n</u>	
3.	Meaning and Principles of Growth and Development.	
٠. ا	Determinants and Factors affecting Growth and Development:	10
	Biological and Environmental.	10
	2.010 great and Environmental.	12
4.	Understanding Life Span Stages of Human Development,	10
	Highlighting Significant Developmental Tasks.	
	C C C C C C C C C C C C C C C C C C C	
5.	Role of Heredity and Environment; and Learning and Maturation on	
	Human Development.	
UNIT	-III	
6.	Brief introduction to Perspectives and Theories of Human Development:	20
	T T T T T T T T T T T T T T T T T T T	20



	Erikson: Psycho- Social Development	
	<ul> <li>Freud: Psycho-Sexual Development</li> <li>Piaget: Cognitive Development</li> </ul>	
7.	Culture, Society Family and Individual Development. The Family Life Cycle.	6
8.	Vocational Choices and Careers in Human Development.	6
Refe	erences:	

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## METHODS OF HUMAN STUDY( PRACTICAL - III)

Max Marks: - 50 marks

Teaching workload: one practical/week (2 hours/practical)

Total teaching workload: 24 practical/batch

#### **Objectives:**

- 1. To introduce methods of Human study to students.
- 2. To provide the practical experience of applying them in field situations.
- 3. To expose the students to selected welfare institutions.
- 4. To learn to understand their strength, weakness and potentials.

Cont	ents:	Practical
1.	Understanding and application of various methods of human study in field: observation, interviews, questionnaire, field survey. (all Four)	18
2.	Application, administration and scoring of any one selected standardized instrument/test.	4
3	To develop insights for self analysis through SWOT, personal narratives, role play and essay for self appraisal.	4
4.	Visit and report writing of selected play school, crèche, anganwari (one each)	4

University of Rajasthan **O** JAIPUR

Exar	nination Scheme:	<del></del>
	1. Major problem:-	
	Use of various method in field/case study 15 marks  2. Minor problem:- (any one)	
		S
	The state of the project tool. CATIFE States	
	b. Self analysis/SWOT	
	c. Role play on any current theme.	
	d. Analysis of any one welfare institution	
	3. viva 5 marks	
	4. Internal 20 marks	
INT	RODUCTION TO FOODS (THEORY – IV)	
Max	Marks: - 100 marks	
Teac	hing workload: 4 hours/week	
Total	teaching workload: 96 hours/year	
Obje	ctives :	
This o	course will enable the students to understand	
1.	The definition, concept and functions of Foods and Nutrition	
2.	The nutritional composition of various foods products	
3.	The effect of processing on food products	
4.	Increase the availability of food by preventing spoiling and through	_
Food	adulteration and various food laws and labelling rules for food safety.	1.
Unit -		**
l.	Definition and concept of foods and nutrition	Hours
	• Functions of Food – Physiological, psychological, social.	5
	• Study of following food groups with	
	• Study of following food groups with respect to their nutritional	
	composition, Effects of heat (dry and moist), acid and alkali.  • Energy giving foods	
2.	Cereals & cereal products	
		12
	Structure of wheat & rice	
	• Nutrition composition of raw and processed cereal products – flour,	- 4
	giii, semonia, nakes, parched, puffed, fermented, RTF, macroni	
	products.	
	Effect of heat (dry and moist) on starch and protein of cereals.	
	• Effect of alkali on cereals.	
	• A brief overview of processing techniques for example – Milling,	
	raidoning, Maiting, Fermentation, Fortification & Engishment	
•	Sugars and sugar Products	10
•	Structure of fructose.	
	Nutritional composition of sugar & sugar products Example – Jaggery,  Prove Sugar VI 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
-	Brown Sugar, Khandsari Sugar, Sugar Cubes, Mishri, High fructose	
	syrup.	
	• Effect of heat (dry & moist) of sugar.	
	• Effect of acid & alkali as a suspension	
	• Effect of acid & alkali on sugar. Fats and Oils	8
1	<ul> <li>Types of fats &amp; oils – biochemical structure also.</li> </ul>	
	T2 CC	
	• Effect of heat	
	<ul> <li>Effect of heat</li> <li>Hydrogenation</li> <li>Effect of storage : rancidity</li> </ul>	

Unit		
<b>Body</b>	Building Foods	
5.	Legumes	T.0
	Nutritional composition of pulses and soya products	8
	A brief overview of processing tests:	
	• A brief overview of processing techniques for example – Milling,	
6.	refinentation, germination	
<i>J</i> .	Milk and Milk Products	10
	<ul> <li>Nutritional composition of various types of milk &amp; milk products.</li> </ul>	
	Types of milk products.	
	Effect of heat, acid & alkali.	
	A brief overview of processing techniques for example – Pasteurization     Fortification	
_	& fortification.	-
7.	Meat, Fish, egg and poultry	10
	• Structure of egg.	10
	Nutritional composition of meat, fish, egg & poultry.	
	• Effect of heat on meat & egg.	4.0
	Protective Foods	10
	Nutritional composition of fruits, vegetables & processed products.	
	• Effect of heat, acids & alkali on fruits & vegetables.	
•	Miscellaneous	
•	Nutritional composition of Tea, Coffee, Cocoa.	3
nit -	- III	
0.	Food Spoilage and Preservation	
		10
	Causes of food spoilage	
	<ul> <li>Principles &amp; methods based on principles</li> </ul>	
	High temperature – Pasteurization, canning	
	Low temperature – refrigeration, cold storage, freezing	
	Preservatives – chemical	
	High osmotic pressure – salt	
	• Dehydration solar grant 9 1	
	Dehydration – solar , spray & drum	
	• Radiation	
1.	Food Adulteration – definition, common adulterants and their health hazards,	_
	rood laws and labelling.	5
2.	Food Additives: food colours, flavourants, spices and condiments, emulsifiers,	
	stabilizers, leavening agents.	5
	nces:	
1.	Bennion, M. (1985) Introductory Foods. Eight editions. Macmillan Publishing C	Omnony
	New York. Charly, H. (1970) Food Science. John Wiley & Sons Inc, New York	Cocond
	Lutton	
2.	Frazier, W.C. (2006), 26 <sup>th</sup> Reprint ,Food Microbiology. Tata McGraw Hill Pt	1.11.1.1
	Co., New Delhi	olishing
3.	Lowe, B. (1937) Experimental Cookery. John Wiley and Sons Inc, New York	
4.	Manay, N.S. and Shadaksharaswamy M. (2001) But and Sons Inc, New York	
	Manay, N.S and Shadaksharaswamy M. (2001) Food Facts and Principles.	Second
5	edition, New Age International Publisher, New Delhi Meyer, J. H. (1987) Food Science 2nd File Open July 1987.	
5. 6	Meyer, L.H. (1987) Food Science, 3 <sup>rd</sup> Ed CBS Publishers and Distribution, Delhi	
0.	Potter, N.N. (1987) Food Science, 3 <sup>rd</sup> Ed CBS Publishers and Distributors, Delhi Scilolohari B. Facal Sci	1987
7.	ornakshill, B. Food Science, new Age International (P) I td. Publishers, New Do	h:
ο.	Swainmannan M. (1990), Food Science Chemistry and Experimental Foo	ds. The
	Bangalore Printing & Publishing Co. Ltd., Mysore, Bangalore	

ntroduction to Foods (Practical - IV) Max Marks: - 50 marks	· · · · · · · · · · · · · · · · · · ·
Teaching workload: one practical/week (2 hours/practical)	
otal teaching workload: 24 practicals/batch	
Contents:	
	·
Weights & Measures, basic terms used in cookery	1
Methods of Cooking.	1
. Table settings.	1
Visit to Departmental Store & preparation of list to explore various ready to	1
eat, preserved & convenience food items.	•
	L
Food Preparation, understanding the principlesinvolved, nutritional quality and	Γ
portion size.	
Beverages- Tea (hot & iced), Coffee (hot & cold), chhaach, lassi,  mills about 6 in the cold).  Beverages- Tea (hot & iced), Coffee (hot & cold), chhaach, lassi,	1
milk snakes, fruit punch (using squashes fresh fruits)	1
lemonade, jaljeera, aamla shake, aampanna, mocktails(2), mirinda	
shake.	
• Cereal cookery -chapaati, puri (plain, missi), parantha (stuffed,	3
plain ), pancakes, bhatura, rice(plain, pulao   sweet) khichdi	<b>.</b>
daliya, upma, poha, halwa, baati, choorma, mathri (namakpara,	
shakkarpara) ,chowmein, pizza, sandwiches (open, club, cucumber+	
tomato).	
• Legumes & pulses-daal (plain &daal fry), rajma, chhole, dal	2
makhani, kadhi, mangodi, pancake, dahiyada, dal pakodi,	4
besanpakodi, sprout chaat, fermented products, sweets	
(besanladdoo, mohanthaal, dal halwa)	
	•
• Vegetables- Dry vegetables (achieve in the state of the	2
• Vegetables Dry vegetables (aalugobi, methiaalu, palaktamaatar),	
stuffed vegetables (bhindi, capsicum) ,vegetables with gravy	
(dahiaalu, malaikofta, gatta, dumaalu, matarpaneer, chilli paneer), baked vegetables.	
Fruits- Salads & desserts	1
	_
Milk & milk products-paneer, khoa, curd, shrikhand, kheer, custard,	2
	1
	1
<ul> <li>Eggs-Boiled, ommelette, fried (half, full), poached.</li> </ul>	_
Soups-clear & cream including Indian soups-palak, tomato mixed	1
veg., minestrone, sweet corn, pea soup, lentil, rabril.	
• Salads-tossed, Russian, fruit salad, sprout salad, kosambri, Russian	1
salad, corn, chana, pasta salad, salad dressings.	_
• Snacks-samosa, kofta, kachori, dosa, idliyadasambhar khaman	2
uttapam, tikkichola, pavbhaji, sago khichri, mixed veg cutlets,	
onelpuri, narabharakabaab, paneertikka hurger spring rolls	
• Sweets-jalebi, sandesh, gulabjamun, laddu, coconut barfi, gujiya,	2
petha roll, chhainamurki.	
Baked products-demonstration of cakes & biscuits	1
ferences:	
1. Raina U, Kashyap S.K Narula, V., Thomas, S., Suvira, Vir, S and Chopra S., Bas	
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2002. New Delhi, Third	edition

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<ul><li>Tenement</li><li>Apartment</li><li>Duplex</li></ul>	<b>6.</b>	Types of houses				3	
• Duplex		• Tenement				1	
		<ul> <li>Apartment</li> </ul>					
Row houses		<ul> <li>Duplex</li> </ul>					
		Row houses					

	C-II scape management	
HU.	Building terminology	·
		8
	• Layout, building, height of a building, plot or site street or road,	
	applicant, building line.	
	• Sectional plan, licensed architect, set back line, alteration, height of	
	room, balcony, barsati	
	Basement , chajja , courtyard , detached building , habitable room ,	
	garage, uncovered area, chute, mezzanine floor	
	Built-up, ground floor, floor area ratio, common area, carpet area,	
	sub structure, super structure	
	• Plinth, plinth area, parapet wall, partition, floor area, wall area,	
	circulation area, open space	
	Building rules and regulations	4
	General Rules	
	• Layout	
	Requirements of parts/partition in building	
	Submission of plan for approval	
	• Others	
	Principles of planning the residential space	7
	• Aspect	7
	• Prospect	
	Grouping of rooms	
	• Ventilation	
	• Service	
	Orientation	
	• Roominess	
	Circulation	
	• Privacy	
	• Flexibility	
	• Sanitation	
	• Economy	
	• Elegance	
		5
	• Electrical, water supply, sanitary	
		5
	Importance of all the rooms	
	Recommended size of rooms	
		6
	Building stones	
	Clay products	
	Metals products: Iron , steel and non ferrous	
	• Cement	
	• Lime	
	Wood Products: Timber	
	• Glass	
	• Plastic	
	White wash, distemper and paints	
	wash, distemper and paints	

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ntary designing	
Introduction to foundation of arts	4
a) Good taste	
<ul> <li>Types of design: structural &amp; decorative</li> </ul>	
<ul> <li>Objectives of design: function, beauty and expressiveness</li> </ul>	
• Design concept: application of design	
Element of design based on use in interiors	2
a) Line	
Types of line: straight and curved etc.	
Illusion of lines	
<ul><li>Emotional significance</li><li>b) Form</li></ul>	
	2
• Definition	
• Classification	
<ul> <li>Requirements of a good form</li> <li>c) Textures</li> </ul>	2
c) Textures  • Definition	2
• Types: visual, tactile	
<ul><li>Significance of texture</li><li>d) Light</li></ul>	2
	-
Types of light: natural and artificial     Emotional significants.	
<ul> <li>Emotional significance artificial lighting system</li> <li>e) Space</li> </ul>	
Definition	2
• Classification: open and close f) Pattern	
Definition	2
Motifs: naturalistic, stylized, abstract, geometric     Characteristics of a good water	
Characteristics of a good pattern  Principles of design	
a) Balance	
Definition	3
• Types	
Application in interior	
b) Rhythm	3
<ul> <li>Definition</li> </ul>	
<ul> <li>Ways of achieving rhythm: repetition of shapes, progression of</li> </ul>	-
size, continuous line movement, radiation	
<ul> <li>Application in interior</li> </ul>	1
c) Harmony	3
• Definition	
<ul> <li>Methods of achieving harmony: line &amp; shape, colour, ideas, size</li> </ul>	
& texture	
d) Proportion	3
• Definition	
• Scale	
Application in interior	3
e) Emphasis	3
<ul> <li>Definition</li> </ul>	

	<ul> <li>Ways of achieving emphasis: grouping of objects, use of</li> </ul>	T
	contrasting colour, use of decoration, use of back ground space	
ļ.	<ul> <li>Where to place the emphasis: law of margin</li> </ul>	
16.	Application in interior	
17.	Floor decoration with the use of elementary art	2
17.	Table setting & etiquettes	3
	<ul> <li>Selection of table wares for traditional &amp; continental meals</li> </ul>	
	<ul> <li>Setting for Indian traditional and continental meals.</li> </ul>	
i.	<ul> <li>Formal and buffet arrangements</li> </ul>	
	Note - Seminar presentation on selected topics from unit - II	
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## ELEMENTARY DESIGN IN HOUSING (PRACTICAL - V)

Max Marks: - 50 marks

Teaching workload: one practical/week (2 hours/practical)

Total teaching workload: 24 practicals/batch

#### Objectives:

- 1. To familiarize the students with the planning and understanding interior environment.
- 2. Understand the methods of interior construction techniques.

3.Understand art and apply its principles in the creation.

	Condensiand art and apply its principles in the creation.	
Cont		Practical
1.	Market survey on material & its cost used for building house	1
2.	Introduction to drawing equipment/Rendering techniques	1
3.	Introduction to Lettering/Application of scale	1
4.	Geometrical constructions of point, line, Quadrilateral and circle	1
5.	Furniture dimensions	1
6.	Drawing of architectural symbols	1
7.	Drawing of electricity symbols	1
8.	Drawing of Architectural symbols for Furniture	1
9.	Collection and analysis of LIG house plan	1
10.	Collection and analysis of MIG house plan	1
11.	Collection and analysis of HIG house plan	
12.	House plan of HIG	1
13.	House plan of MIG	1
14.	House plan of LIG	1
15.	Drawing of colour wheel, tint & shade chart and colour schemes	11
16.	Floor decoration: rangoli using rice	1
17.	Floor decoration: rangoli using flowers	1
18.	Floor decoration: rangoli using colour powder	1
19.	Floor decoration: alpana/ mandana	
20.	Types of table setting: traditional & continental	1
21.	Table manners and etiquette	1
22.	Types of Napkin folding	1
23.	Wrapping of gift: rectangle, square, cylindrical, round and irregular boxes	1
24.	Envelop making/Card Making	1 1
Schen	ne of Examination	1
Ex	ercise	Familian
Major	· House plan for LIC MIC IIIC	Iarks 20
Minor	· I - Lettering technique/ rendering technique/	20
Ho	use Planning symbols/Furniture symbols/color wheel and scheme	5
Minor	11 Toble 2044 - Alexandria C. 11' / 1 11 / 2	5 5
Intern		-
	2	U