

Learning Outcome Based Scheme and Syllabus of Examination

For

~~Bachelor of~~ B.Sc. Home Science (B.Sc.-H.Sc.)

Courses Effective from Academic Session 2022-2023

General Information of B.Sc. Home Science Program

1. **Title and code of the program:** The title of the programme shall be Bachelor of Home Science (B.Sc. H.Sc.) The program code of B.Sc. Home Science shall be “HSc2022”.
2. **Eligibility for admission:** Eligibility of admission in B.Sc. Home Science will be as follow:
 - i. Students must pass H.Sc. (Class 12th) in any stream/Three year diploma course in any branch of technical education / Vocational Education or equivalent from a recognized board.
 - ii. Students must have a minimum aggregate of 40% marks in HSc examination (Relaxation in percentage will be as per rule of C.G. Govt.).
3. **Scheme of examination:** Each theory paper is divided into three components as follow, there shall not be any Internal Assessment (IA) for practical part of every subject :-
 - i. Total Marks:100 Marks
 - ii. University Examination (UE): 60 Marks
 - iii. Internal Assessment (IA): 15 Marks
 - iv. Practical : 25 Marks
4. **Internal Assessment (IA):** The structure of IA shall be as follow:
 - i. **Internal test (15 Marks):** There shall be two internal tests of 15 marks each, the average of both tests shall be considered as the marks of internal test. The marks of assignment shall be of 15, the average of the both tests shall be added with marks of assignment, and the total will be divided by two.
5. **University Examination (UE):** The pattern of examination shall be as follow:
 - i. There shall be three sections of question paper: A, B and C.
 - ii. Section A (20 Marks) shall consists “Very Short Answer questions”, Three questions from each unit with internal choice of solving two.
 - iii. Section B (20 Marks) shall consist of “Short answer questions” from each unit, two questions from each unit with internal choice of solving one.
 - iv. The Section C (20 Marks) shall consist “Long answer questions”, one from each unit, with internal choice of solving any two questions, each has 10 marks.
6. **Programme Learning Outcomes (PLO):** On completion of this programme, the students are expected to:

PLO1: To Apply knowledge of Basic Nutrition, Textile and Fibre Science, Resource Management , Community Development , Human Development with basic knowledge of women empowerment and Computer Basics at the individual level , community level and also on commercial level.

PLO2: To apply knowledge of nutrition as Medical Nutrition Therapy for disease correction, Technical knowledge of physio-chemical nature of textile fibres and yarn making, working of various systems in human body, Skillful communication techniques, Developmental stages in life cycle and consumer economics related knowledge.

PLO3: To apply knowledge of Biochemistry of Macro molecules as Protein, Lipids, Carbohydrates and Micro-Molecules as Vitamin, Minerals, Antioxidants, Preservation Technology, Extension education for the community and national benefit, Care of human in early years of life, Principles of Art and Designing and skills of apparel making with fashion designing.

PLO4: To apply new technology in the field of Nutrition as Neutrogenomics, Nanotechnology for Medical Nutrition Therapy, Management of human resources properly, advances in Textile science, advances in Human developments as maintenance of good mental health and Research Methodology with latest data collection and analysis details in the field of Home Science Research.

B.Sc. (HOME SCIENCE)

Year	Course Code	Subject Name	Theory / Practical	Total Credit	UE	IA	Marks	
							Total	
							Max	Min
First	HSCF-1T	Environmental studies	Theory	4	60	15	75	25
	HSCF-2T	Hindi Language	Theory	4	60	15	75	25
	HSCF-3T	English Language	Theory	4	60	15	75	25
	HSC-1T	Basic Nutrition	Theory	4	60	15	75	25
	HSC-2T	Introduction to Resource Management	Theory	4	60	15	75	25
	HSC-3T	Introduction to Human Development	Theory	4	60	15	75	25
	HSC-4T	Textile and Clothing	Theory	4	60	15	75	25
	HSC-5T	Community Development	Theory	4	60	15	75	25
	HSC-6T	Personal Empowerment and Computer Basics	Theory	4	60	15	75	25
	HSCF-1P	Environmental Study Field work	Practical	2	25	NA	25	25
	HSC-1P	Basic Nutrition	Practical	2	25	NA	25	09
	HSC-2P	Introduction to Resource Management	Practical	2	25	NA	25	09
	HSC-3P	Introduction to Human Development	Practical	2	25	NA	25	09
	HSC-4P	Textile and Clothing	Practical	2	25	NA	25	09
	HSC-5P	Community Development	Practical	2	25	NA	25	09
	HSC-6P	Personal Empowerment and Computer Basics	Practical	2	25	NA	25	09
		Total		50	715	135	850	
Second	HSCF-4T	Hindi Language	Theory	4	60	15	75	25
	HSCF-5T	English Language	Theory	4	60	15	75	25
	HSC-7T	Nutritional Management in Health & Diseases	Theory	4	60	15	75	25
	HSC-8T	Textile and Fiber Science	Theory	4	60	15	75	25
	HSC-9T	Human Physiology and Community Nutrition	Theory	4	60	15	75	25
	HSC-10T	Communication Process	Theory	4	60	15	75	25
	HSC-11T	Life Span Development	Theory	4	60	15	75	25
	HSC-12T	Consumer Economics	Theory	4	60	15	75	25
	HSC-7P	Nutritional Management in Health and Diseases	Practical	2	25	NA	25	09
	HSC-8P	Textile and Fiber Science	Practical	2	25	NA	25	09
	HSC-9P	Human Physiology and Community Nutrition	Practical	2	25	NA	25	09
	HSC-10P	Communication Process	Practical	2	25	NA	25	09
	HSC-11P	Life Span Development	Practical	2	25	NA	25	09
	HSC-12P	Consumer Economics	Practical	2	25	NA	25	09
		Total		44	630	120	750	

Third	HSCF-6T	Hindi Language	Theory	4	60	15	75	25
	HSCF-7T	English Language	Theory	4	60	15	75	25
	HSC-13T	Nutritional Biochemistry	Theory	4	60	15	75	25
	HSC-14T	Food Preservation	Theory	4	60	15	75	25
	HSC-15T	Early Childhood Care and Education	Theory	4	60	15	75	25
	HSC-16T	Extension Education	Theory	4	60	15	75	25
	HSC-17T	Foundation of Art and Design	Theory	4	60	15	75	25
	HSC-18T	Apparel Making and Fashion Designing	Theory	4	60	15	75	25
	HSC-13P	Nutritional Biochemistry	Practical	2	25	NA	25	09
	HSC-14P	Food Preservation	Practical	2	25	NA	25	09
	HSC-15P	Early Childhood Care and Education	Practical	2	25	NA	25	09
	HSC-16P	Extension Education	Practical	2	25	NA	25	09
	HSC-17P	Foundation of Art and Design	Practical	2	25	NA	25	09
	HSC-18P	Apparel Making and Fashion Designing	Practical	2	25	NA	25	09
		Total		44	630	120	750	

Note- There shall be four extra credits in each year for internship/ Apprenticeship .The certificate of extra credits for this would be provided by the concern university and it is not mandatory.

Abbreviations Used-

UE: University Examination

IA: Internal Assessment

Note:

1. Students have to pass the Environment Studies (Additional & Compulsory) till the end of the maximum duration provided for the program. Degree will not be awarded without passing the environmental studies paper.
2. There shall be four extra credits in all the years of under graduation for internship/apprenticeship/Skill development program/Value added program. The certificate of extra credits would be provided by the university concern and is not mandatory.

Part A: Introduction			
Program:: Certificate Course		Class:: B.Sc. Home Science I Year	Year:: 2022 Session::2022:2023
1	Course Code	HSC-1T	
2	Course Title	Basic Nutrition	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand basic Knowledge of foods and nutrition. • To understand basic Knowledge of physiological role of nutrients. • To understand basic Knowledge of structure of nutrients. • To understand basic Knowledge of food groups. • To understand basic Knowledge of locally available foods. 	
6	Credit Value	Theory:4	
7	Total Marks	Max. Marks: 60 + 15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Concept of Nutrition: Good Nutrition, Under and Over Nutrition, Health, Functions of Food, Methods of Cooking: Traditional and modern Methods of cooking.	12
II	Nutrients: Macro nutrients: Classification, sources, functions Recommended Dietary Allowances, Carbohydrates Fats, Protein Fiber.	12
III	Nutrients: Micro nutrients ,Calcium Iron ,Zinc ,Iodine ,Fat soluble vitamins (A,D,E,K) ,Water soluble Vitamins (Thiamine, Riboflavin, Niacin, Vitamin C, Pyridoxine, Folic Acid and vitamin B12).	12
IV	Food, Structure: Composition, Classification and Functions, Cereals, Millets Pulses, Legumes, Fruits and Vegetables, Milk and Milk Products, Eggs.	12
V	Locally available foods: to combat Malnutrition, anemia, vitamin deficiencies, Ready to eat nutritious foods, Low cost nutritious recipes and their Calculation of nutritive value and cost.	12
Keywords:: Foods and Nutrition , Macro and micro nutrients, food groups, structure and composition, Methods of improving, Nutritional quality of food.		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. आहार एवं पोषण . डॉ अरुणा पाल्टा, 3rd Edition, Shiva Prakashan.
2. आहार एवं पोषण . डॉ वृन्दा सिंह, 1st Edition, Panchsheel Prakashan.
3. Normal and therapeutic Nutrition : Robinson, C.H., Lawler, M.R. CheNOWeth, W.L and Garwick'A.E, 17th Edition, Macmillan Publishing Co.
4. Essentials of Food and Nutrition VI : Fundamentals Aspects VII: Applied Aspects.: Swaminathan, M.S., 2018 Edition, The Bangalore Press Publisher.
5. Introductory Foods: Hughes, O.Behnion, M. 5th Edition MacMillan Company.
6. Nutrition and Diet Therapy : Williams, S.R., 4th Edition, C.V. Mosby Publishing Company.
7. Food Science : B. Shrilaxmi, 7th Edition, New Age International Publisher.
8. Nutrition and Diet Therapy: Sue Rodwell Williams, 6th Edition, Times Mirror/Mosby College Publishing.
9. Foods, Facts and Principles: N Shakuntala Manay, M Shadabaksharaswamy, 3rd Edition Published by New Age International Publisher.
10. Food Science and Application in Indian Cookery : Usha Chandrasekhar, 2002 Edition, Phoenix Publishing House P. Ltd..
11. Basic Food Preparation: A Complete Manual: Raina U, Kashyap S, Narula V, Thomas S Suvira, Vir S, Chopra S, 4th Edition, Orient Black Swan Ltd, Mumbai.
12. Text Book of Human Nutrition: Mahtab, S. Bamji, Kamala Krishnasamy, Brahman G.N.V 3rd Edition, Oxford and IBH Publishing Co. P. Ltd..
13. Food Science and Nutrition : Sunetra Roday , 4th Edition, Oxford University Press.
14. Indian Food Composition Tables: Longvah, T, Ananthan, R., Bhaskarachary, K., Venkaiah, K, 2017 Edition, (IFCT), Indian Council of Medical Research, National Institute of Nutrition, Hyderabad.

E- learning Resources:

1. Basic Nutrition
 - <https://youtube.com/watch?v=oaQyiVdeluEandfeature=share>
 - <https://youtu.be/GgUEkRBPPT0>
 - <https://youtu.be/a:pXxDrlVjk>
 - <https://youtu.be/4IMhVISEcxA>
 - <https://youtu.be/4iDi7fjSAGE>
 - <https://youtu.be/o6sljGdo7po>
 - <https://youtu.be/FMZNmgmwXag>
2. Concept of Nutrition
 - <https://www.youtube.com/watch?v=HtEPzK1RkFg>
 - Macro Nutrient
 - <https://www.mdanderson.org/publications/focused:on:health/what:are:macronutrients:h15:1593780.html#:~:text=Carbohydrates%2C%20fat%20and%20protein%20are,Anderson%20Wellness%20Dietitian%20Lindsey%20Wohlford.>
 - Nutrient
 - <https://en.wikipedia.org/wiki/Nutrient#:~:text=A%20nutrient>

- ### 3. Food Structure

<https://www.sciencedirect.com/journal/food:structure>

- #### 4. Locally Available Food

Locally Available Food
<https://www.google.com/search?q=Localy+Avaliabe+Foodanddq=Localy+Avaliabe+Foodandaqs=cchrome..69i57j0i13l4j0i15i22i30j0i22i30j0i15i22i30j0i22i30l2.48l8j0j9andsourceid=chromeandie=UTF:8>

Part D : Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 75

Continuous Comprehensive Evaluation (CCE): 15 Marks

University Exam (UE): 60 Marks

Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Two Test each of 15 Assignment Marks: 15 (Mean of Two Tests + Assignment Divided by 3)
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Part A: Introduction			
Program:: Certificate Course		Class:: B.Sc. Home Science I year	Year:: 2022 Session:: 2022:2023
1	Course Code	HSC-1P	
2	Course Title	LAB1: Basic Nutrition	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of various nutrients, their functions and sources.	
5	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be enable to:</p> <ul style="list-style-type: none"> • To understand Knowledge of weights and measurements for foods related with intake and cooking. • To create basic Knowledge of any specific nutrient rich/deficient recipe. • To create specific nutrient dense recipe to combat local deficiency diseases. • To understand Basic Knowledge of locally available food grains in recipes. • To develop traditional Indian and Chhattisgarhi recipes. 	
6	Credit Value	Practical : 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods :15	
Tentative Practical List	<p>Note: This is tentative list; the teacher concern can add more Experiment as per Requirement.</p> <ol style="list-style-type: none"> 1. Weights and Measures standard and household measures for raw and cooked food. 2. Preparation of two low cost nutritious recipes. 3. Cooking Methods : Chhattisgarhi traditional recipes, sweet and salty. 4. Protein rich, Iron and calcium rich –locally available low cost recipe of Ragi, leafy vegetables, millets, Kodo, Kutki. 5. Preparation of ready to eat nutritious Products. 6. Three day workshop for low cost nutritious recipe. 7. Work shop on Indian and Chhattisgarhi Traditional recipes. 8. Visit to Gadh Kaleva or Chhattisgarhi restaurants. 9. Project/ Field work: Identification and data collection of nutrition based diseases in community (sample 200/ group of 6 students).

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. आहार एवं पोषण दक डॉ अरुणा पाल्टा, 3rd Edition, Shiva Prakashan.
2. आहार एवं पोषण दक डॉ वृन्दा सिंह, 3rd Edition, Panchsheel Prakashan.
3. Normal and therapeutic Nutrition : Robinson, C.H., Lawler, M.R. CheNOWeth, W.L and Garwick A.E, 17th Edition, Macmillan Publishing Co.
4. Essentials of Food and Nutrition VI : Fundamentals Aspects VII: Applied Aspects.: Swaminathan, M.S., 2018 Edition, The Bangloare Press Publisher.
5. Introductory Foods: Hughes, O.Behnion, M. 5th Edition MacMillan Company.
6. Nutrition and Diet Therapy : Williams, S.R., 4th Edition, C.V. Mosby Publishing Company.
7. Food Science : B. Shrilaxmi, 7th Edition, New Age International Publisher.
8. Nutrition and Diet Therapy: Sue Rodwell Williams, 6th Edition, Times Mirror/Mosby College Publishing.
9. Foods, Facts and Principles: N Shakuntala Manay, M Shadabaksharaswamy, 3rd Edition Published by New Age International Publisher.
10. Food Science and Application in Indian Cookery : Usha Chandrasekhar, 2002 Edition, Phoenix Publishing House P. Ltd..
11. Basic Food Preparation: A Complete Manual: Raina U, Kashyap S, Narula V, Thomas S Suvira, Vir. S. Chopra S, 4th Edition, Orient Black Swan Ltd, Mumbai.
12. Text Book of Human Nutrition: Mahtab, S. Bamji, Kamala Krishnasamy, Brahman G.N.V 3rd Edition, Oxford and IBH Publishing Co. P. Ltd..
13. Food Science and Nutrition : Sunetra Roday , 4th Edition, Oxford University Press.
14. Indian Food Composition Tables: Longvah, T, Ananthan, R., Bhaskarachary, K., Venkaiah, K, 2017 Edition, (IFCT), Indian Council of Medical Research, National Institute of Nutrition, Hyderabad.

E: learning Resources:

1. Basic Nutrition
 - <https://youtube.com/watch?v=oaQyiVdeluEandfeature=share>
 - <https://youtu.be/a:pXxDrlVjk>
 - <https://youtu.be/4IMhVISEcxA>
 - <https://youtu.be/4iDi7fjSAGE>
 - <https://youtu.be/o6s1jGdo7po>
 - <https://youtu.be/FMZNMgmwXag>
2. Low Cost Nutrient
<https://www.google.com/search?q=low+cost+nutritious+foodanddq=Low+Cost+Nutrientandaqs=crome.3.69i57j0i512i2j0i390i4.7425j1j9andsourceid=chromeandie=UTF:8>
3. Ready to Eat
<https://www.google.com/search?q=ready+to+eat+nutrientanddq=ready+to+eat+nutrientandaqs=chrome..69i57j0i10i15i22i30j0i22i30j0i390i3.6039j0i9andsourceid=chromeandie=UTF:8>
4. Chhattisgarhi Dish
<https://www.google.com/search?q=Chhatishgarhi+Dishanddq=Chhatishgarhi+Dishandaqs=chrome..69i57j0i13i3j0i13i30i2j0i51i3i30j0i8i10i13i30j0i8i10i13i15i30j0i390.4095j0j7andsourceid=chr>

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Part D : Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable



आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि. दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर, देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिरवर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC- 2T	
2	Course Title	Introduction To Resource Management	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Importance of proper Management. • To understand Factors Important for management. • To understand Decision Making Process. • To understand Management of time, energy and finance. • To understand Work simplification. • To understand Management of available resources. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Introduction to Resource Management: Definitions Types of Management, Advantages of Management Limitation in Management.	12
II	Factors Motivating Management: Goals: Definition, Types and Utility, Values: Importance, Sources, Classification, Characteristics, and Changing values. Standards: Conventional and Non Conventional: qualitative, quantitative, conventional and Non conventional, Relation between values, goods and standard.	12
III	Resource: Types of Resources, Characteristics of Resource, Factors affecting use of resources, Relation to Resources to Management Decision making: Definitions and Importance, Steps of Decision, Factors affecting decision Resolving conflicts.	12
IV	Management Process: Meaning Definition and element of Management process: Planning, Controlling, Organizing and evaluation, Planning: Importance, Techniques and Types Organization, Controlling: Phases of Controlling, Factory in success of the control steps: suitability, promptness, New decisions, Flexibility, Supervision: Types of Supervision: Direction and Guidance, Evaluation: Importance, Types, Techniques of Self evaluation, Evaluation of whole process and management.	12

V	<p>Management of Resources: Time Management: Tools: Time patterns, Time Cost, Peak Load, Work Curve, Rest Period, Time Norm, Energy Management, Introduction, Type, Causes, Symptoms, of fatigue Measures to Relives.</p> <p>Process of energy management: Work Simplification Definition Importance, Techniques Formal and informal pen and pencil techniques.</p> <p>Time Management: Tools, Time patterns, Time Cost, Peak Load, Work Curve, Rest Period, and Time Norm.</p> <p>Energy Management: Introduction, Type, Causes, Symptoms, of fatigue Measures to Relives, Process of energy management, Work Simplification Definition Importance, Techniques – Formal and informal pen and pencil techniques.</p>	12
Keywords: Resource Management, goals, values and standers decision making, management process.		

Part C: Learning Resources		
Text Books. Reference Books, Other Resources		
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Family resource management: Brinda Singh, 3rd Edition, Panchsheel Prakashan. 2. Family resource management – Premavathy Seetharaman, Sonia Batra, Preeti Mehra, 6th Edition, CBS Publication. 3. Family resource management: Tami James Moore, Sylvia M.Asay, 4th Edition, SAGE Publishing. 4. Foundation of Family resource management: Elizabeth B Goldsmith, 6th Edition, SAGE Publishing. 5. गृहव्यवस्था एवं गृहसज्जादक रीना खनूजा, 4th Edition, Bookman Publisher, 6. Management of Modern Families: Inma,N.,Gross, Elizabeth Crandall, Manjori m. Knoll 2nd Edition Appleton Century Crofts Publisher. 7. Home Management: Varghese, MA, Srinivasan, Kogale, NN, 2nd Edition, New Age International Publisher. 8. Management for modern families: Gross, Cranall and Kholi, 3rd Edition, Prinicee Hall Inc. 9. Management in Family living: Nickell and Dorsey, J, 4th Edition, Wiley Eastern Limited. 10. Family Resource Management and Interior Decoration : Bhargava, B, 4th Edition, Jaipur: Apple Printer and V. R. Printers 11. Home Management: Contexts and Concepts : Deacon, R. F., and Firebaugh, F.M. 7th Edition, Boston: Houghton Mifflin Company. <p>E-learning Resources:</p> <ol style="list-style-type: none"> 1. Management Process https://www.youtube.com/results?search_query=management+process 2. Energy Management https://www.youtube.com/results?search_query=process+of+energy+management+in+hindi 		
Part D: Assessment and Evaluation		
<p>Suggested Continuous Evaluation Methods:</p> <p>Maximum Marks: 75</p> <p>Continuous Comprehensive Evaluation(CCE): 15 Marks</p> <p>University Exam (UE): 60 Marks</p>		
<p>Internal Assessment :</p> <p>Continuous Comprehensive Evaluation (CCE)</p>	<p>Class Test</p> <p>Assignment/Presentation</p>	<p>Two Test each of 15</p> <p>Assignments Marks: 15</p> <p>(Mean of Two Tests + Assignment Divided by 2)</p>

Pr

Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session:2022:2023
1	Course Code	HSC-2P	
2	Course Title	LAB2: Introduction to Resource Management	
3	Course Type	Practical	
4	Pre-requisite(if any)	Theoretical Knowledge of procedure of basic management Process.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Importance of Precise Management. • To understand Goal setting in life. • To understand Decision Making Process. • To understand Management of time, energy and finance. • To understand Work simplification technique. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods: 15	
Tentative Practical List	<p>Note: This is tentative list; the teacher concern can add more Experiment as per Requirement.</p> <ol style="list-style-type: none"> 1. Identify and formulate various types of standards that student can have. 2. Identify and formulate five goals that a student will have. 3. Identify and formulate various types of decision, write process of decision making. 4. To work out minimum and maximum working approach. (Vertical and Horizontal). 5. To develop simplify methods for any work. 6. Visit to energy garden. 7. Project/ Field Work: Take up a situation trip/function/picnic/party and manage that situation. Write the process of management implementing and report. Making time plan for a student (at least for a week) and explain it.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Family resource management: Brinda Singh, 3rd Edition, Panchsheel Prakashan.
2. Family resource management – Premavathy Seetharaman, Sonia Batra, Preeti Mehra, 6th Edition, CBS Publication.
3. Family resource management: Tami James Moore, Sylvia M.A Ray, 4th Edition, SAGE Publishing.
4. Foundation of Family resource management: Elizabeth B Goldsmith, 6th Edition, SAGE Publishing.
5. गृहव्यवस्था एवं गृहसज्जा. रीना खनूजा, 4th Edition, Bookman Publisher.
6. Management of Modern Families: Inma, N., Gross, Elizabeth Crandall, Manjori m. KNOll 2nd Edition Appleton Century Crofts Publisher.
7. Home Management: Varghese, M.A, Srinivasan, Kogale, N.N, 2nd Edition, New Age International Publisher.
8. Management for modern families: Gross, Cranall and Kloli, 3rd Edition, Princticee Hall Inc.
9. Management in Family living: Nickell and Dorsey, J, 4th Edition, Wiley Eastern Limited.
10. Family Resource Management and Interior Decoration : Bhargava, B, 4th Edition, Jaipur: Apple Printer and V. R. Printers
11. Home Management- Contexts and Concepts : Deacon, R. F., and Firebaugh, F.M. 7th Edition, Boston: Houghton Mifflin Company.

E: learning Resources:

1. Types of Standards
<https://www.google.com/search?q=various+types+of+standards&oeq=Various+types+of+stan>
dred
2. Types of Decision
https://www.youtube.com/results?search_query=type+of+decision+

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not applicable

University Exam (UE): 25

Internal Assessment : Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि. दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद

- सदस्य

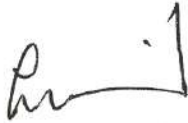
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-3T	
2	Course Title	Introduction To Human Development	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand growth and development. • To understand Principals of development. • To understand Importance of heredity and environment. • To understand various aspects of development. • To understand Interventions for Families in Trouble. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	<p>An overview on the field of HD: Definition of development, ie. Family and society, variations across cultures and individual differences in human development, family and child welfare. A family welfare programme, Child welfare program.</p> <p>Growth and Development: Understanding growth and development (Definitions), General Principles of development, Constraints and facilitators in growth and development (influences of heredity and environment).</p> <p>Genetic Inheritance: (i) fertilization (ii) Number of chromosomes. (iii) Genotype and phenotype, (iv) sex linked genetic effects.</p> <p>Environmental per-requisites: (i) Nutrition, (ii) opportunities, Interaction between environment and inheritance:</p> <p>(i) Genes provide the predisposition, range and direction of development,</p> <p>(ii) Environment determines the extent or limit.</p> <p>(iii) The beginning of a new life</p> <p>Prenatal development: Prenatal influences on the child: biological risks, age of mother, physical characteristics, illness, diet and nutrition, stress and emotional strains environmental hazards.</p>	12
II	<p>Physical Development: The new born physical appearance: size, weight, bodily proportions, sensory capacities i.e. hearing, vision, taste, smell, touch, temperature and position, Changes in size, shape, muscles and bones, and brain as it continues through : infancy, end of infancy, Linking physical and motor development.</p>	12

Signature

	<p>Motor development: reflexes in infancy; major milestones through end of infancy, Physical and motor development can be influenced through (i) Maturation, (ii) nutrition, (iii) monitoring and healthcare, (iv) stimulation, (v) practice.</p>	
III	<p>Cognitive Development across the Life Span: Cognitive development: The concept of intelligence and Mental age, IQ (A brief introduction to Piaget's theory) introduce stages without much elaboration: sensor motor stage in infancy, concrete operational stage in childhood changes in remembering the reasoning in middle childhood, formal operations in adolescence, fluid and crystallized intelligence in adulthood, declining cognitive abilities in late adulthood and old age.</p> <p>The Development of Language across the Life Span: Language as a form of communication: Functions of language: expressing wishes, controlling others, interacting with others, expressing individuality, exploring the world, pretending, using language to communicate/share information, understanding our society and culture, reasoning.</p> <p>Communicating before language development i.e. the stages of vocalization: undifferentiated crying differentiated crying, babbling, Imitation of sound, patterned speech, Beginning to use language: one or two word utterances; early sentences; telegraphic speech; understanding metaphors, smiles, irony, reflecting on superficial and deeperlevel meanings of sentences.</p> <p>Uses of language; conversational acts (Non-verbal) conversational conventions, learning to listen, Language development can be influenced through: (i) Maturation (ii) Stimulation.</p> <p>Deviations in language development: in language development: Possible decline of language in the aged, (speech: impairment and disorders to be introduced briefly).</p>	12

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IV	<p>Socio-emotional Development Across the Life Span: Understanding social and emotional development.</p> <p>Social development: Introduce socialization as an important part of the process of becoming human. Social milestones: beginning with the emergence of the social smile; attachment, separation, anxiety, acquiring sex roles in childhood, induction into occupational roles by adulthood, social isolation and consequences in late adulthood and in the elderly.</p> <p>Patterns and role of parent: child interactions, interactions with siblings and peers; social and cultural interactions through infancy to old age.</p> <p>Emotional development: Emotions serve two adaptive functions: (i) motivating and (ii) communication.</p> <p>Basic emotional reactions (joy, fear, jealousy, anger, sadness, aggressiveness).</p> <p>Components of emotion: (i) emotions are elicited by the context, (ii) include bodily activity, (iii) emotional expressions are made through facial expressions, bodily-movements, vocalization, (iv) labeling emotions.</p> <p>Emotions may be acquired as a result of/by the Influence of (I) internal and external sources, (ii) cognition, (iii) learning and (iv) social reinforcement.</p> <p>Milestones of emotional development through infancy and childhood emotional confusions and adolescence, stability of emotions in adulthood and old age, Emotional problems: (i) depression, (ii) over-activity, (iii) aggression.</p> <p>Personality Development across the Life Span: Personality Development, Components of personality, Factors affecting Personality: (a) heredity, (b) environment (parenting styles, peer groups, social interactions, early childhood experiences, life events, support available in a community etc.) Deviant personalities: (Juvenile delinquency in childhood and anti-social personalities in adulthood).</p>	12
V	<p>Marriage: Marriage as an institution: goals, rituals, functions, changes and challenges, Mate selection: factors influencing, considerations of exogamy and endogamy, changing trends, arranged and personal choice of mates., Preparation for marriage, social emotional issues, financial concerns and exchanges, guidance and counseling, Marital adjustment, areas and factors influencing: Planned Parenthood.</p> <p>Families with Problems: Families in distress, violence and abuse, dowry victimization, violence against women.</p> <p>Interventions for Families in Trouble: Counseling pre marital and marital Programmes and policies of CG Govt. for children and families</p>	12

and their evaluation.

Keywords: Development, growth, heredity, environment, physical development, motor Development, Language development, cognitive development.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Human Development: Brinda Singh, 3rd Edition, Panchsheel Prakashan.
2. बाल विकास रामबाबू गुप्त, 2nd Edition, ViNod Pustak Mandir.
3. बाल मनोविज्ञान एवं बाल विकास and डॉ डी एन श्रीवास्तव, डॉ प्रीति वर्मा, 2020 Edition, ViNod Pustak Mandir.
4. Handbook of Child Psychology : Mussen (Ed.) Vol. 1, New York; Scientific American Books.
5. Human Development: Gordon, I. J. 2nd Edition, New York : Harper and Row Publication.
6. Human Development and Family Studies in India : Saraswathi T.S. and Kaur, B 2nd Edition, Sage Publications.
7. Child Development: Elizabeth B. Hurlock, 5th Edition, MC Graw Hill Education India.
8. Text book of Human Development (A Life Span Development Approach) : Dr. S. Shrivastava, Dr. K. Sudharani, 2016 Edition, S. Chand and Company.
9. Strategies for Human Development: Dr. Samar Deb, 2017 Edition, Kalpaz Publication.
10. Child Development: Elizabeth B. Hurlock, 6th Edition, MC Graw Hill Education India.
11. Child Psychology and Development: S.K. Mangal and Shubhara Mangal, 2019 Edition, Sterling Publisher.

E-learning Resources:

1. Growth and Development
https://www.youtube.com/results?search_query=Growth+and+Development
2. Genetic Inheritance
https://www.youtube.com/results?search_query=genetic+inheritance
3. Prenatal Development
<https://www.google.com/search?q=prenatal+development>
4. Physical Development
<https://www.google.com/search?q=physical+development>
5. Motor Development
<https://www.google.com/search?q=motor+development>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15 Marks

University External Exam (UE): 60 Marks

Internal Assessment :

Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignments Marks: 15
(Mean of Two Tests +
Assignment Divided by 2)

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Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-3P	
2	Course Title	LAB3: Introduction to Human Development	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Physical and mental development and Contributory Factors.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Physical growth and development of human child. • To compare Normal children with delinquent child. • To understand Importance of heredity and environment on development. • To develop skills of counseling to parents. • To study cognitive development across the life span. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No. of Periods: 15	
Tentative Practical List	Note: This is tentative list; the teacher concern can add more Experiment as per Requirement. <ol style="list-style-type: none"> 1. Visit to a pediatric ward to observe a new born baby and a premature baby. 2. Preparing a growth average height weight chart of five (5) children from one to (1 :3) years. 3. Study of immunization schedule. 4. Survey of parent's regulative awareness about weaning food, toys; clothes. 5. Prepare a development (Physical / Motor) Milestone chart. 6. Role play for pre marital counseling. 7. Project/ Field work: Prepare report of activities and facilities at Anganvadi / Nursery school.

Part C: Learning Resources	
Text Books. Reference Books, Other Resources	
Suggested Readings: <ol style="list-style-type: none"> 1. Human Development: Brinda Singh, 3rd Edition, Panchsheel Prakashan. 2. बाल विकास रामबाबू गुप्त, 2nd Edition, Vinod Pustak Mandir. 3. बाल मनोविज्ञान एवं बाल विकास डॉ डी एन श्रीवास्तव, डॉ प्रीति वर्मा, 2020 Edition, Vinod Pustak Mandir. 4. Handbook of Child Psychology : Mussen (Ed.) Vol. 1, New York; Scientific American Books. 	

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5. Human Development: Gordon, I.J- 2nd Edition, New York : Harper and Row.
6. Human Development and Family Studies in India: Saraswathi T.S. and Kaur, B 2nd Edition, Sage Publications.
7. Child Development: Elizabeth B. Hurlock, 5th Edition, MC Graw Hill Education India.
8. Text book of Human Development (A Life Span Development Approach) : Dr. S. Shrivastava, Dr. K. Sudharani, 2016 Edition, S. Chand and Company.
9. Strategies for Human Development: Dr. Samar Deb, 2017 Edition, Kalpaz Publication.
10. Child Development: Elizabeth B. Hurlock, 6th Edition, MC Graw Hill Education India.
11. Child Psychology and Development: S.K. Mangal and Shubhara Mangal, 2019 Edition, Sterling Publisher.

E- learning Resources:

1. Marital Counseling
<https://www.google.com/search?q=marital+counseling&ei=8OeeYqWjCtj0:Qa8qD4andoq=M arital+Counselingand>
2. Anganvadi
https://www.google.com/search?q=anganwadi&ei=Y:ieYqvGHJ_w4:EP4qe:IAandoq=Angan vadiand
Details of Human Development
3. <https://www.coursera.org/learn/learning-knowledge-human-development>
Human Development essential for nation-
4. <https://www.shiftelearning.com/blog/bid/146487/eLearning-the-key-to-developing-human-capital>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not applicable

University Exam (UE): 25

Internal Assessment :

Continuous Comprehensive Evaluation
(CCE)

Class Test
Assignment/Presentation

Not Applicable

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुवे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि. दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद

- सदस्य


डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य अग्न लाइन
उपस्थित रहे.



Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022	Session: 2022:2023
1	Course Code	HSC- 4T		
2	Course Title	Textile And Clothing		
3	Course Type	Theory		
4	Pre-requisite(if any)	NO		
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand chemistry of textile fibers. 2. To understand Yarn and fabric making process. 3. To understand variety of wifes and weaving process. 4. To understand various finishes and their uses. 5. To understand Dyeing and printing in detail. 		
6	Credit Value	Theory: 4		
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25	

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Introduction of the Subject: Common Terminologies used in Textile, Properties of Textile Fibers, Classification of the textile fibers: History, composition, types, production and properties, Natural Fiber – Cotton, Linen, Silk, Wool, Man-Made Fiber – Rayon, Thermoplastic Fiber – Nylon.	12
II	Study of Yarn: Meaning, Yarn Making : Mechanical and Chemical Types – Simple, Complex, Novelty and Textured yarn number, yarn count ,Yarn Twist, Methods of fabric construction, Weaving: Handloom and its parts, Different types of weaves: Plain weaves, Floating weaves, Pile, Jacquard and Leno weaves, Other methods of fabric construction : Felting, Knitting, Crocheting, Braiding and Lacing.	12
III	Finishes: Meaning and purpose, Physical finishes: Singeing, Napping, Brushing, Shearing, sizing, shrinking, Tendering, Calendaring etc, Chemical finishes: Bleaching and mercerizing, Special purpose finishes: wrinkle resistance, water resistant and water repellent, Flame retardant, crease resistance, soil resistant etc, Identification of Fabric, Appearance test / Microscopic test, Burning test / Creasing test, Breaking test / Tearing test and Chemical test, Importance of Clothing.	12
IV	Dyes: Definition and Classification, Suitability of various dyes to different fibers, Dyeing methods of different stages of processing: Fiber, yarn, piece, union and cross, Household method of dyeing, Colour fastness, Characteristics of colour fastness, Fastness to sunlight, crocking, perspiration.	12

Signature

V	Printing : Its significance , Methods of printing : Block, Stencil, Screen and Roller printing, Advantages and disadvantages of various methods of printing, Faults in different printing methods, Preparation of printing paste, Preparation of cloth for printing, After treatment of printed goods, Resist dyed : Bandhej of Gujarat and Rajasthan, Batik.	12
Keywords:: Textile fibers natural and synthetics, yarn making fabric construction wavering, Finishes, dying, printing.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. वस्त्र विज्ञान एवं परिधान का परिचय : डॉ मंजु पाटनी, 2022 Edition, Star Publication.
2. Textile Science: an explanation of fiber properties: Gohl, E., Vile sky, L., 2 edition, New Age International Publishing.
3. वस्त्र विज्ञान एवं परिधान का परिचय : डॉ बी के बख्शी, 2nd Edition, ViNOD Pustak Mandir.
4. वस्त्र विज्ञान - बृन्दा सिंह, 19th Edition, Panchsheel Publication.
5. तंतु एवं वस्त्र विज्ञान : डॉ शिप्रा बैनर्जी, 2018, Chhattisgarh Hindi Granth Academy publisher.
6. Fundamentals of Textiles and their care : Sushsila Dhantyagi, 5th Edition, Orient Black Swan.
7. Textile testing and analysis: Collier, B.J., and Epps, H.H. 1998 Edition, Prentice Hall Publishers.

E: Learning Resources:

1. Study of Yarn
<https://www.google.com/search?q=Study+of+Yarnand>
2. Finishes
<https://www.google.com/search?q=finishesand>
3. Dyes
https://www.youtube.com/results?search_query=Dyes
4. Printing
https://www.youtube.com/results?search_query=Printing

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:

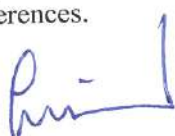
Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests +
Assignment Divided by 2)

Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-4P	
2	Course Title	LAB4: Textile and Clothing	
3	Course Type	Practical	
4	Pre-requisite(if any)	Theoretical Knowledge of various textile fibers and technology of cloth construction.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand various tests for identification of textile fibers. • To develop skill in printing and dying techniques. • To understand making of weaves and their uses. • To understand microscopic structure and chemistry of fibers. • To learn removal of different types of stain. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No. of Periods: 15	
Tentative Practical List	<p>Note: This is tentative list; the teacher concern can add more Experiment as per Requirement.</p> <ol style="list-style-type: none"> 1. Identification of textile fibers: <ul style="list-style-type: none"> • Visual test / Microscopic test • Burning test /Chemical test 2. Weaves and their variations: <ul style="list-style-type: none"> • Plain weave / Twill weave • Satin and Sateen weave • Honeycomb and Birdseye weave 3. Handloom center visit 4. 07 days workshop on Tie and dye 5. 07 days workshop on Batik 6.07 day's workshop on painting : <ul style="list-style-type: none"> • Introduction to learning look at the visual Arts. • Composition • Space • Form • Tone • Color • Subject matter • Drawing and it 'purposes • Looking at print 7. One week workshop on Printing techniques: Block, Screen, Stencil and Spray . 8. Printing preferences.



Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. वस्त्र विज्ञान एवं परिधान का परिचय : डॉ मंजु पाटनी, 2022 Edition, Star Publication.
2. Textile Science: an explanation of fiber properties: Gohl, E., Vile sky, L, 2 edition, New Age International Publishing.
3. वस्त्र विज्ञान एवं परिधान का परिचय : डॉ बी के बख्शी, 2nd Edition, ViNOd Pustak Mandir.
4. वस्त्र विज्ञान - बृन्दा सिंह, 19th Edition, Panchsheel Publication.
5. तंतु एवं वस्त्र विज्ञान : डॉ शिप्रा बैनर्जी, 2018, Chhattisgarh Hindi Granth Academy publisher.
6. Fundamentals of Textiles and their care : Sushsila Dhantyagi, 5th Edition, Orient Black Swan.
7. Textile testing and analysis: Collier, B.J., and Epps, H.H. 1998 Edition, Prentice Hall Publishers.

E: Learning Resources:

1. Tie and Dye-
https://www.youtube.com/results?search_query=Tie+%26+Die
2. Painting-
https://www.youtube.com/results?search_query=Painting
Details of Courses in Textiles-
3. <https://www.classcentral.com/subject/textiles>
Software for textile designing
4. <https://www.researchgate.net/publication/359312787> E.

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not applicable

University Exam (UE): 25

Internal Assessment :	Class Test	Not Applicable
Continuous Comprehensive Evaluation (CCE)	Assignment/Presentation	

Pur

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

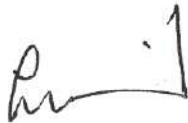
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-5T	
2	Course Title	Community Development	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand developmental approaches. • To understand community development in India. • To understand support structure and their functions. • To understand developmental programs at various stages. • To understand analysis of social satisfaction. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Development: Definitions, types: large scale and centrally planned and small scale and locally planned, Community Development in India, Evolution of community development programs in India since Independence. Historical Perspective of development approaches: The Capitalistic approaches. The Welfare approach, The Gandhian approach, The Modernization approach, The Institutional and social justice approach.	12
II	Support structures and their Functions: Central Social Welfare Board, State Social Welfare Board, National Level Voluntary Agencies such as CAPART, KVIC, Elected Panchayats, Community Development Program Approaches: Multi-purpose, Target group, Growth centered. Home Science and Community Development: Scope of Home Science Extension for meaningful participation in community development in India.	12
III	Analysis of Social Relations of Groups Social Stratification: Caste System (Micro/Macro): Differential ranking of groups as superior and inferior caste-groups; changes that have taken place/expected; abolition of un-touch ability, inter-caste collaboration, fusion of sub-castes; impact of reservations; social inequalities – extent of Acceptance or opposition, Role of audio visual aids in community development.	12

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IV	Poverty Analysis: (Micro/Macro) causes of poverty and The number and proportion of poor (in general and with reference to gender in particular), health facilities, clothing and housing facilities, education facilities. Unemployment pattern and indebtedness; causes of poverty and inequalities; programs for poverty alleviation. Poverty line.	12
V	Analysis of Social Relation to Environment (Micro/Macro): Customs, mores, rules, regulations that are eco-friendly and that are Not eco-friendly, Approaches and methods of socio-economic analysis: Rapid rural appraisal, Participatory rural appraisal, Survey, Case studies, observation, Participant observation	12
Keywords: Gandhian and capitalistic approach, Support structures, Approaches for community development, Cast systems (Micro and Macro), Poverty analysis.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. An introduction to community development – Yashwant G. Mahajan 1st Edition, Current Publication.
2. Community organization and development – an Indian perspective: Asha Ramagonda Patil, 1st Edition, PHI Learning.
3. Community organization and social work: Sheeba Joshep, Vishnu Das, 2016 Edition, Discovery Publishing.
4. A Development Communication: Uma Narula, Revised Edition, Haranand Publication.
5. Classes in India Today : Desrochers, John 1984 Editions, Centre for Social Action.
6. Culture, Religion and Development: Dietrich, Gabriele 1978 Edition, Centre for Social Action.
7. A Study of Rural EcoNomics: Systems Approach, Desai, Vasant 1990 Edition, Himalaya Publishing House.
8. Cognitions learning course NO: 25 SWAYAM Portal based course.
9. Information and Communication techNOlogy: Dr. Aprajita Bhatt SWAYAM portal course based.

E: Learning Resources:

1. Poverty Analysis
https://www.youtube.com/results?search_query=Poverty+Analysis
2. Community Development –Basic details
<https://www.elearninglearning.com/community/>
3. Course details of Community Development
https://www.researchgate.net/publication/229439447_Online_learning_communities_and_community_development
4. Policies for Community Development-
<https://alison.com/course/introduction-to-community-development-revised>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Two Test each of 15 Assignment Marks: 15 (Mean of Two Tests + Assignment Divided by 2)
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Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-5P	
2	Course Title	LAB5: Community Development	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of concept of community development and various supporting policies.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand developmental approaches for Indian community. • To develop skill regarding community survey and analysis. • To develop skill regarding impactful community dialogs. • To understand demonstration technique for community. • To organize group activities for community. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No of Periods : 15	
Tentative Practical List	<p>Note: This is tentative list; the teacher concern can add more Experiment as per Requirement.</p> <p>Field Experience in Villagers / Urban Slums</p> <ol style="list-style-type: none"> Practical use of RRA / PRA Methods Reporting on Socio-economic analysis of the rural / urban community To select, Plan, preparation and use of different-audio visual aids. i.e. Chart: Educational, Tree Chart, Flow. Chart, Suspense Chart. Posters, Cartoons, Pamphlets, Puppets. Project/ Field Work: Organic farming reuse of waste material, paper bags making, use of eco Friendly material. Organizing group. Demonstration

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Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. An Introduction To Community Development : Yashwant G. Mahajan 1st Edition, Current Publication.
2. Community organization and development –an Indian perspective: Asha Ramagonda Patil, 1st Edition, PHI Learning.
3. Community organization and social work: Sheeba Joshep, Vishnu Das, 2016 Edition, Discovery Publishing.
4. Development Communication: Uma Narula, Revised Edition, Haranand Publication.
5. Classes in India Today : Desrochers, John 1984 Editions, Centre for Social Action.
6. Culture, Religion and Development: Dietrich, Gabriele 1978 Edition, Centre for Social Action.
7. A Study of Rural Economics - Systems Approach: Desai, Vasant 1990 Edition, Himalaya Publishing House.
8. Cognitions learning course NO: 25 SWAYAM Portal based course.
9. Information and Communication technology: Dr. Aprajita Bhatt SWAYAM portal course based.

E: Learning Resources

1. Flow Chart
https://www.youtube.com/results?search_query=process+flow+chart
2. Poster, Pamplate, Cartoon
https://www.youtube.com/results?search_query=Poster%2C+Cartoon+and+pamplate
3. Community Development –Basic details
<https://www.elearninglearning.com/community/>
4. Course details of Community Development
https://www.researchgate.net/publication/229439447_Online_learning_communities_and_community_development
5. Policies for Community Development-
<https://alison.com/course/introduction-to-community-development-revised>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not applicable

University Exam (UE): 25

Internal Assessment : Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-6T	
2	Course Title	Personal Empowerment and Computer Basic	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand personal growth and development. • To understand Women empowerment. • To understand Home science as empowerment tool. • To understand Computer fundamentals. • To Understand Various Operating Systems. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Personal Growth and Personality Development (Through exercises, role play, discussions): The challenge: understanding and managing oneself, being aware of one's strengths and weaknesses. Personality Development: Factors and influences: emotional and motivational aspects; assertion vs. aggression, Peer pressures: Issues and management; group conformity and individualism as co-existing aspects, Conflicts and stresses, simple coping strategies.	12
II	Empowerment of Women: Women and Development: The personal, familial, societal and national perspectives, Capacity building for women: Education, decision-making abilities and opportunities, awareness and information on legal and political issues, Women's organizations and collective strength: Women's action groups, women's participation in development initiatives.	12
III	Home Science Education as Empowerment: The interdisciplinary of Home Science Education, The role of Home Science Education for personal growth and professional development, Home Science as holistic education with integration of goals for persons, enhancement and community development.	12
IV	Some Significant Contemporary Issues of Concern: Gender issues: inequities and discriminations, biases and stereotypes; myths and facts, AIDS: Awareness and educations	12

V	Computer Fundamentals: Overview about computers, Components of a computer, Input/output devices, Secondary storage devices, Representation of Data: Files, Records, Files, File organization and access, Introduction to Operating Systems.	12
Keywords: Personality development, Role play, Discussions, women empowerment, home science education, Fundamentals of computers.		

Part C: Learning Resources		
Text Books, Reference Books, Other Resources		
Suggested Readings:		
<ol style="list-style-type: none"> 1. Women resources and national development – Chandashekhar, Edition 5th, 2011, Printice Hall. 2. Career management- A new challenge: vol:1: Bhattacharya, Panchsheel Publisher. 3. India Youth: process of socialization: Gove M.S. 3rd Edition, Vishwa Yuva Kendra. 4. Computer fundamental: Pradeep K Sinha, 8th edition, BPB Publication. 5. Basic computer course: Changeriya, 3rd Edition, Chetan Prakashan. 6. Computer basic: Gourav Agrawal, 2nd Edition, Digital Munim ji. 7. Women's Resource and National Development : A Perspective, 1992 Edition, Gaurav Publishing House. 8. Fundamentals of To aching Home Science: Chandra A.A. Shah and U. Joshi, 1989 Edition, Sterling Publishers Pvt Ltd. 9. Understanding Psychology: Feldman, R. 1987 Edition, McGraw Hill Co. 10. SWAYAM portal course based Information and Communication technology: Dr. Aprajita Bhatt. 		
E:Learning Resource:		
<ol style="list-style-type: none"> 1. Women Empowerment https://www.youtube.com/results?search_query=women+empowerment 2. Empowerment Policies In India- https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwivj5KFikj4AhVkmGYCHV5GCzAYA-BADGgJzbQ&ae=2&ohost=www.google.co.in&cid=CAASJeRoIWw93YwZziCOI5Uv_i6o- 3. Polices for Women- https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwivj5KFikj4AhVkmGYCHV5GCzAYA-BACGgJzbQ&ae=2&ohost=www.google.co.in&cid=CAASJeRoIWw93YwZziCOI5Uv_i6o- Rights for women- 4. https://www.female-rights.com/e-learning-platform/ 		
Part D: Assessment and Evaluation		
Suggested Continuous Evaluation Methods::		
Maximum Marks: 75		
Continuous Comprehensive Evaluation(CCE): 15		
University Exam (UE): 60		
Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Two Test each of 15 Assignment Marks: 15 (Mean of Two Tests + Assignment Divided by 2)

Signature

Part A: Introduction			
Program: Certificate Course		Class: B.Sc. Home Science I Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-6P	
2	Course Title	LAB 6: Personal Empowerment and Computer Basic	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of empowering anybody along with Knowledge of soft skills.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To acquaints with Knowledge of structure of computer. • To understand functioning of computer with different operating systems. • To understand internet and its uses. • To explore MS Excel for calculations and graphical presentation. • To Understand Various Operating Systems with latest configuration. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No. of Periods: 15	
Tentative Practical List	Note: This is tentative list; the teacher concern can add more Experiment as per Requirement. <ol style="list-style-type: none"> <ol style="list-style-type: none"> Introduction Exploring the Desktop Running multiple programs Accessories Control Panel Managing Documents and Folders MS: Word <ol style="list-style-type: none"> Starting MS:WORD Creating and Formatting a document Changing Fonts and Point Size Table Creation and operations Autocorrect, Auto Text, Spell Check, Thesaurus Word Art, inserting objects Mail merge, letter, label, envelope Page set-up, Page preview Printing a document MS: Excel <ol style="list-style-type: none"> Starting Excel Work Sheet, Cell, Inserting Data into Rows/Columns Alignment, Text-wrapping Sorting data, Auto sum

	<ul style="list-style-type: none"> e. Use of functions, referencing formula cells in other formulae f. Naming cells and ranges, Goal seek g. Generating graphs h. integrating Worksheet, data and charts with WORD i. Creating Hyperlink to a WORD document j. Page set-up, Print Preview, Printing Worksheets.
4	<p>Internet</p> <ul style="list-style-type: none"> a. Genesis and use of Internet b. Software and hardware equipments for Internet c. Accessing the Internet, Web Page, Using a Search Engine, Accessing the Internet from MS:Office applications <p>5 Project: Write on any relevant topic using computer skills: Graph and Calculation.</p>

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Women resources and national development – Chandashekhar, Edition 5th , 2011, Printice Hall.
2. Career Management-A new challenge: vol:1: Bhattacharya, Panchsheel Publisher.
3. India Youth: process of socialization: Gove M.S. 3rd Edition, Vishwa Yuva Kendra.
4. Computer fundamental: Pradeep K Sinha, 8th edition, BPB Publication.
5. Basic computer course: Changeriya, 3rd Edition, Chetan Prakashan.
6. Computer basic: Gourav Agrawal, 2nd Edition, Digital Munim ji.
7. Women's Resource and National Development: A Perspective, 1992 Edition, Gaurav Publishing House.
8. Fundamentals of To aching Home Science : Chandra A.A. Shah and U. Joshi, 1989 Edition, Sterling Publishers Pvt Ltd.
9. Understanding Psychology: Feldman, R. 1987 Edition, Mc Graw Hill Co.
10. SWAYAM portal course based Information and Communication technology: Dr. Aprajita Bhatt.

E:Learning Resource:

1. MS Word
https://www.youtube.com/results?search_query=MS+Word
2. MS Excel
https://www.youtube.com/results?search_query=MS+Excel
3. Internet
https://www.youtube.com/results?search_query=Internet

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not applicable

University Exam (UE): 25

Internal Assessment : Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर, देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुष्मा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य उक्त लाइन उपस्थित रहे.



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-7T	
2	Course Title	Nutritional Management in Health and Diseases	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> • To understand Importance of Meal Planning. • To understand Factors affecting nutritional requirements. • To understand Normal nutrition. • To understand Medical nutritional therapy in various diseases. • To understand Conversion of Normal Diet to Disease Specific Diet. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Definition of Health and Nutrition: Dimensions of Health (Physical, Psychological, emotional and Spiritual). Concept of nutritionally adequate diet and meal planning: Importance of meal planning, Factors affecting meal planning- Nutritional, Socio-cultural, Religious, Geographic, Economic Availability of time.	12
II	Steps involved in planning a diet: RDA, Food list-using ICMR tables, using cooked food exchange list, Making Menu, The Food Guide-four food group plan of ICMR, Food Pyramid, and General Dietary Guidelines suggested by ICMR, Planning of balance diet-food composition tables, principles of planning diets, Planning diets for institutions.	12
III	Nutrition through the life cycle: (At different activity and Social economic levels) requirements, nutritional problems, food selection. Adulthood, Pregnancy, Lactation, Pre-School, Adolescence.	12
IV	Principles of diet therapy: Modification of Normal diet for therapeutic purposes, full diet, soft diet, Fluid diet, Bland diet, Energy modification and Nutrition for weight management-Identifying the overweight and obese, etiological factors contributing to Obesity. Prevention and treatment, low energy diets, Underweight –etiology and assessment.	12
V	Etiology: Symptoms and diet management of the following -Diarrhea, Constipation, Peptic ulcer, Jaundice, Viral Hepatitis, Cirrhosis. Diet in disease of the endocrine: Pancreas-Diabetes mellitus-classification, symptoms, diagnosis, Dietary care and Nutritional,	12

Signature

management of diabetes Mellitus, Insulin therapy, Oral Hypoglycemic agents, Juvenile Diabetes. Diseases of the Cardio Vascular system: Atherosclerosis Etiology and Risk Factor, Hypertension-Etiology, prevalence Nutritional management and prevention, Renal diseases-Nephritis, Nephrosis - Causes, Symptoms and Dietary management	
Keywords: : Health and Nutrition, Concept of nutritionally adequate diet and meal planning, Steps involved in planning a diet, Nutrition through the life cycle, Principles of diet therapy, Etiology, Pancreas, Cardio-Vascular system.	

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. आहार एवं पोषण डॉ वृन्दा सिंह, Hindi edition, Panchsheel Publishers.
2. Dietetics: B. Shrilaxmi ,8th edition, New Age International publishers.
3. Human Nutrition and Dietetics: Davidson and Passmore, 8th edition, Livingstone Publishers.
4. Normal and Therapeutic Nutrition: Robinson, 17th edition, Mac Millan publishing Company.
5. Food, Nutrition and Diet Therapy: Krause, 11th edition, Saunders Publishers.
6. Nutrition and Diet Therapy: Su.R.Williams, 4th edition, C.V.Mosby Co. Publishers.
7. Modern Nutrition in Health and Disease: Shils, M.E. Olson, 8th edition, Lea and Febiger Waverly Company Publishers.

E:learning Resources:

1. Balance Diet:
 1. https://www.google.com/search?q=balanced+diet&rlz=1C1JJTC_enIN950IN950&oeq=Balance&daqs=chrome
 2. <https://iamherbalifenutrition.com/nutrition:facts/balanced:diet:daily:nutrition/>
2. Principles of diet therapy:
 1. https://www.google.com/search?q=principles+of+diet+therapy&rlz=1C1JJTC_enIN950IN950&oeq=principle+of+diet+and&daqs=chrome.2.69i57j0i1019.15376j0j15&sourceid=chrome&ie=UTF:8
 2. <https://www.youtube.com/watch?v=OVM97v:Ysmw>
 3. https://onlinecourses.swayam2.ac.in/cec21_hs09/preview
3. Food Pyramid:
 1. https://www.google.com/search?q=food+pyramid&rlz=1C1JJTC_enIN950IN950&oeq=food+panda&daqs=chrome.3.69i57j35i39j0i67j0i433i51
 2. https://www.youtube.com/watch?v=ZajKRG_asfs
4. Diet for cirrhosis:
 1. https://www.google.com/search?q=diet+of+cirrhosis&rlz=1C1JJTC_enIN950IN950&oeq=diet+of+chrrosis&daqs=chrome.1
 2. <https://www.medtalks.in/articles/nutrition:and:progNOsis:of:liver:diseases>
5. Diseases of the Cardio Vascular system:
 1. https://www.google.com/search?q=disease+and+diet+of+cardiovascular+system&rlz=1C1JJTC_
 2. <https://www.betterhealth.vic.gov.au/health/conditionsandtreatments/heart:disease:and:food>

Signature

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment :

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

Rev

	17 Visit to Dietetics Dept of Hospitals. 18 Workshops / Project: Menu planning on Normal and therapeutic modification of Diet
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Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. आहार एवं पोषण - डॉ वृन्दा सिंह, Hindi edition, Panchsheel Publishers.
2. Dietetics: B. Shrilaxmi, 8th edition, new age international publishers.
3. Human Nutrition and Dietetics: Passmore, 8th edition, Livingstone Publishers.
4. Normal and Therapeutic Nutrition: Robinson, 17th edition, MacMillan publishing Company,
5. Food, Nutrition and Diet Therapy: Krause, 11th edition, Saunders Publishers.
6. Nutrition and Diet Therapy: Su. R. Williams, 4th edition, C.V. Mosby Co. Publishers.
7. Modern Nutrition in Health and Disease: Shils, M.E. Olson, 8th edition, Lea and Febiger Waverly Company Publishers.

E:learning Resources:

1. Diet for Adult:
https://www.google.com/search?q=diet+for+adults&rlz=1C1JJTC_enIN950IN950&oeq=diet+for+adult&daqs=chrome.
2. Diet for pregnancy:
https://www.google.com/search?q=diet+for+pregnant+women&rlz=1C1JJTC_enIN950IN950&andsxsrf=ALiCzsbc_
3. Diet for Atherosclerosis:
https://www.google.com/search?q=diet+for+atherosclerosis&rlz=1C1JJTC_enIN950IN950&andsxsrf=ALiCzsZ6XyYHi7Q:
4. Diet for diabetes mellitus:
https://www.google.com/search?q=diet+for+diabetes+mellitus&rlz=1C1JJTC_enIN950IN950&andsxsrf=ALiCzsZFJ52m3efDHrTUHum0TTnrmp7Ctg

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment : Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

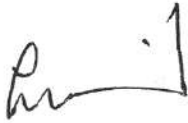
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य अग्न लाइन
उपस्थित रहे,



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-8T	
2	Course Title	Textile And Fiber Science	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand basic Knowledge of elements of Arts in Textile science. • To understand various type of dyeing and printing technology. • To understand technique for cloth disinfection.. • To understand basic Knowledge of cleaning and dry cleaning. • To understand various finishes. • To understand basic chemistry of soap and detergents. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B:Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Introduction to Elements of arts: Principles of design, Colour theories and colour schemes, Pattern - different type of pattern.	12
II	Principles of laundry and its methods: Cleaning materials and Detergents: Soap and detergent, Other cleaning agents, Water: Hardness of water, methods of removal of hardness, Dry cleaning.	12
III	Bleach: types and uses, other reagents used in laundry. Starch: types and uses. Blue: types and uses. Stain removal: classification and technique of stain removal.	12
IV	Disinfection of clothes: Care and Storage of fabrics, Selection of fabric for dress according to age, climate, occupation, occasion, Fashion, personality and figure, Wardrobe planning.	12
V	Equipment and supplies used in clothing construction: Tailoring, General Principles of clothing construction, Methods of taking body measurements, Drafting and Draping, Pattern Making, General instructions for pattern making, Methods, Types and layout.	12
Keywords: : Elements of arts, design, Pattern, laundry and its methods, Bleach, Starch, Blue, Stain removal, Care and Storage of fabrics, Equipment and supplies used in clothing Construction.		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. वस्त्र विज्ञान एवं परिधान का परिचय: डॉ मंजु पाटनी, 3rd edition, star publication.
2. वस्त्र विज्ञान - वृन्दा सिंह, Hindi edition, Panchsheel Publication.
3. वस्त्र विज्ञान एवं परिधान- डॉ प्रमिला , Hindi edition, Bihar Hindi Garth publication.
4. वस्त्र विज्ञान के मूल सिद्धान्त- डॉ जी पी शेरी, Hindi edition, Shri ViNOD Pustak Mandir Publication.
5. The complete Book of Fashion Illustration: Tate, S.L, 2nd edition, New York, Harper and Row Publication.
6. Fashion drawing: basic principles: Allen, Anne , 2nd edition, Batsford Ltd Publication.
7. Fashion Illustration: Barnes Colin, 3rd edition, Little Brown Publication.
8. Fundamentals of Textiles and their care: Sushila Dhantyagi, 5th edition, Orient Blackswan Private publication.

E-learning Resources:

1. Principle of Design:
https://www.google.com/search?q=principles+of+design&rlz=1C1JJTC_enIN950IN950andq=principle+of+des&daqs
2. Method of remove hardness of water:
https://www.google.com/search?q=method+of+remove+hardness+of+water&rlz=1C1JJTC_
3. Bleach:
https://www.google.com/search?q=types+of+bleaching+in+textile&rlz=1C1JJTC_
4. Stain Remover:
https://www.google.com/search?q=Stain+removing&rlz=1C1JJTC_enIN950IN950andq=Stain+removing&daqs=chrome
5. Details of Indian Fashion
<https://www.udemy.com/topic/fashion-design/>
6. Concepts of Textile and Fashion
<https://www.coursera.org/courses?query=fashion%20design>
7. Cloth designing related courses
<https://www.onlinestudies.com/Courses/Fashion-Design/>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:

Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-8P	
2	Course Title	LAB8: Textile And Fiber Science	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of physiochemical properties of textile fibers and dyeing, printing technology.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand basic Knowledge pattern making techniques. • To understand various type of dry cleaning. • To understand measurement technique for stain removal. • To understand basic Knowledge of cleaning and dry cleaning • To understand cloth disinfection. • To understand basic chemistry of soap and detergents. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No. of Periods : 15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per requirement <ol style="list-style-type: none"> 1. Prepare design with different colour schemes. 2. Prepare different patterns: geometrical, decorative. 3. Educational visit to dry cleaning unit. 4. Educational visit to Boutique and famous tailoring shop. 5. Stain removal. 6. Washing of different type of cloths by different methods. 7. Soap and detergent making-hot and cold method. 8. Application of various finishes: Calendaring, starching, blueing. 9. 07 day workshop on tailoring. 10. Educational visit to soap manufacturing unit. 11. 07 days workshop on soap making/ Printing TechNOlogy.

Part C: Learning Resources	
Text Books. Reference Books, Other Resources	
Suggested Readings: <ol style="list-style-type: none"> 1. वस्त्र विज्ञान एवं परिधान का परिचय: डॉ मंजु पाटनी, 3rd edition, star publication. 2. वस्त्र विज्ञान and वृन्दा सिंह, Hindi edition, Panchsheel Publication. 3. वस्त्र विज्ञान एवं परिधान-डॉ. प्रमिला, Hindi edition, Bihar Hindi Garth publication. 4. वस्त्र विज्ञान के मूल सिद्धान्त-डॉ जी पी शेरी, Hindi edition, Shri Vinod Pustak Mandir Publication. 5. The complete Book of Fashion Illustration: Tate, S.L, 2nd edition, New York, Harper and Row 	

Publication.

6. Fashion drawing: basic principles: Allen, Anne, 2nd edition, Batsford Ltd Publication.
7. Fashion Illustration: Barnes Colin, 3rd edition, Little Brown Publication.
8. Fundamentals of Textiles and their care: Sushila Dhantyagi, 5th edition, Orient Blackswan Private publication.

E-learning Resources:

1. Preparing of different Patterns
<https://www.google.com/search?q=preparing+for+different+patterns+in+clothandrlz=1C1JJTC>
2. Preparing Color Schemes
<https://www.canva.com/learn/100:color:combinations/>
3. Details of Indian Fashion
<https://www.udemy.com/topic/fashion-design/>
4. Concepts of Textile and Fashion
<https://www.coursera.org/courses?query=fashion%20design>
5. Cloth designing related courses
<https://www.onlinestudies.com/Courses/Fashion-Design/>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable



आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, मिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, मिलाई महिला महाविद्यालय, मिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवारतव, होलीकास महिला महावि. अर्बिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य


डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-9T	
2	Course Title	Human Physiology and Community Nutrition	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Basic Knowledge of Human anatomy. • To understand physiology of various system in human body. • To understand Basic concept of community nutrition. • To understand various nutrition deficiency diseases prevalent in Indian community. • To understand various prophylaxis programs run by government. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	An introduction of Physiology and Anatomy: Cell –Structure and functions of human cell, Tissues –Classification and structure, Cardio vascular System– Blood –Composition and Functions, Heart–Structure and Functions , Vessels–Structure and Functions of Artery, Veins and Capillaries.	12
II	Gastro intestinal System: Structure and Functions of various organs of the gastro intestinal tract, Digestion and absorption of food. Nervous System: Elementary Anatomy of Nervous System, Functions of different part of the brain and spinal cord.	12
III	Excretory System: Structure and functions of kidney, bladder, formation of urine, Respiratory System: Structure of Lungs, Mechanism of respiration and its regulation, Transportation of Gases	12
IV	Musculo-Skeletal System: Types of Muscles and its functions, Skeletal System–Types of Bones.	12

V	Concept and Scope of Community Nutrition: Nutritional problems of the community and implications for public health .Common Problems in India – Causes (Nutritional and Non Nutritional Problems) Incidence of Nutritional problems, signs, symptoms and Treatment. Protein-Energy Malnutrition (PEM), Prophylaxes - Program to Combat Nutritional Problems in India.	12
Keywords:: An introduction of Physiology and Anatomy, Gastro intestinal System, Excretory System, Musculo- Skeletal System, Concept and Scope of Community Nutrition.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Concise Medical physiology: Chaudhuri, 1st edition, New Central Book Agency Publication.
2. Anatomy and physiology for nurses: Evelyn Pears, 16th edition, Jaypee Brothers Publication.
3. Physiology: Sembulingam, 8th edition, Jaypee Brothers Publication.
4. Anatomy, Physiology and Hygiene- Dr Sandhya Verma, Vinod Pustak Mandie, Agra, India.
5. Physiology – J.P. Agrawal, 2nd edition, Jaypee Brothers Publication.
6. Human Physiology: C.C. Chatterjee, 13th edition, CBS Publication.
7. Text book of Medical Physiology: Guyton, A.C. Hall, 2nd edition, Elsevier India Publication.
8. Fundamental of Medical Physiology: Harinder Singh, 2nd edition, Elsevier Publication.

E- learning Resources:

1. Cell:
https://www.google.com/search?q=cellandrlz=1C1JJTC_enIN950IN950anddq=cellandaqs=chrome..
2. Nervous System:
https://www.google.com/search?q=nervous+systemandrlz=1C1JJTC_enIN950IN950anddq=Nerandaqs=chrome
3. Excretory System:
https://www.google.com/search?q=excretory+systemandrlz=1C1JJTC_enIN950IN950anddq=excaandaqs=chrome

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:

Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

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Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-9P	
2	Course Title	LAB9: Human Physiology and Community Nutrition	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Human Physiology and anatomy.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Basic Knowledge of Human anatomy. • To understand physiology of regulation of Blood Pressure, blood group. • To understand Basic concept of various types of human tissues. • To understand various nutrition deficiency diseases prevalent in Indian community. • To understand various adulterants. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods : 15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per requirement. <ol style="list-style-type: none"> 1. Recording pulse rate. 2. Measurement of Blood Pressure. 3. Identification of Blood Group and Rh factors. 4. Identification of Clotting, Bleeding time . 5. Preparation of temperature chart. 6. Study of Histological slides of different organs. 7. Visit to one Anganwadi centre and record the activities conducted by Anganwadi. 8. Testing of adulterants in common foods (any five). 9. Project-Making report of mid day meal program running at nearby school.

Part C: Learning Resources	
Text Books. Reference Books, Other Resources	
Suggested Readings:	
<ol style="list-style-type: none"> 1. Concise Medical physiology: Chaudhuri, 1st edition, New Central Book Agency Publication. 2. Anatomy and physiology for nurses: Evilyn pears, 16th edition, Jaypee Brothers Publication. 3. Physiology: Sembulingam, 8th edition, Jaypee Brothers Publication. 4. Physiology – J.P. Agrawal, 2nd edition, Jaypee Brothers Publication. 5. Human Physiology: C.C. Chatterjee, 13th edition, CBS Publication. 	

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6. Text book of Medical Physiology: Guyton, A.C. Hall, 2nd edition, Elsevier India Publication.

7. Fundamental of Medical Physiology: Harinder Singh, 2nd edition, Elsevier Publication.

E- learning Resources:

- preparation of temperature chart:
https://www.google.com/search?q=peparation+of+tempertaure+chartandrlz=1C1JJTC_enIN950IN950and
- Recording of Pulse Rate:
https://www.google.com/search?q=recording+of+pulse+rateandrlz=1C1JJTC_enIN950IN950and
- Measurement of Blood pressure:
https://www.google.com/search?q=measurement+of+blood+pressureandrlz=1C1JJTC_enIN

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

Pin

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, मिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, मिलाई महिला महाविद्यालय, मिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुष्मा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य


डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction

Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022	Session: 2022:2023
1	Course Code	HSC-10T		
2	Course Title	Communication Process		
3	Course Type	Theory		
4	Pre-requisite (if any)	NO		
5	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be enable to:</p> <ul style="list-style-type: none"> • To understand Concept of developing communication skills. • To understand the process of communication. • To understand soft skill development for proper communication. • To understand E Learning for communication. • To understand various method to reach individual and mass. 		
6	Credit Value	Theory: 4		
7	Total Marks	Max. Marks: 60	Min Passing Marks : 25	
Total Periods: 60				
Unit	Topics			NO. of Periods
I	Concept of development communication: Meaning and importance of communication in development, The purpose of Communication.			12
II	Communication Process: One-way and two-way or interactive communication, Gaps in communication or distortions in transmission of message and their Causes, Importance of two-way communication.			12
III	Methods of communication in Development: Methods to reach individual, Personal conference, Interviews, House visits, Exhibits, Group discussions, Role Plays, Demonstrations, Workshop, Camps, Public meetings, Radio announcements/programs. Posters, Videos, films Documentary, Television programs, Folk media, Songs, Stories. Street theatre, Puppet play Print media, Posters Pamphlets, leaflets, Print Media, Audio/Visuals, Audio Visual Media, Audio tapes, radio broadcasts, Films documentary, feature.			12
IV	Methods of communication: Soft skill Development and its effect on communication skills, Emotional Intelligence, Negotiation, Non verbal communication, Resource fullness, Conflict Resolution, Adaptability, Work Ethic.			12
V	Methods of Communication: E Learning, Internet, Graphic Design, Cyber Security. Data Analysis, Digital and Social Media, Basic Programming and web Development.			12

Ravi

Keywords:: development communication, Communication Process, Methods of communication in Development, Methods of communication : soft skill Development and its effect on communication skills, Methods of Communication – “E:Learning”.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Extension Education: Vrinda Singh, 2nd edition, Panchsheel Publication
2. Education and communication for development: O P Dhama, 2nd edition, oxford publication.
3. Extension Education and Communication: V K Dubey, 1st edition, New age International Publication.
4. Extension Communication and Management: G L Ray, 3rd edition, Kalyan Publication.
5. A brief book on Extension Education: Shruti Madan Singh, 2nd edition, New Vishal Publication.
6. SWAYAM portal based course Information and Communication technology: Dr. Aprajita Bhatt.
7. SWAYAM portal based course Home science: Extension and Communication management level:1 course NO.43.

E-Learning Sources:

1. Method of Communication Development:
<https://www.google.com/search?q=methods+of+communication+process&rlz=1C1JJTC>
2. Communication Process:
https://www.google.com/search?q=communication+process&rlz=1C1JJTC_enIN950IN950&oeq=communication+proc&daqs=c

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation (CCE): 15

University Exam (UE): 60

Internal Assessment : Continuous Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

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Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-10P	
2	Course Title	LAB10: Communication Process	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of communication techniques.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Concept of developing communication skills. • To understand the process of communication. • To understand soft skill development for proper communication. • To understand e-Learning for communication. • To identify community problems. • To understand various method to reach individual and mass. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods : 15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per Requirement <ol style="list-style-type: none"> 1. Organizing group discussion. 2. Organizing group demonstration. 3. Preparation and Presentation of Audio visual aids, i.e. Posters, Charts, Cartoons, Models Puppets. 4. Posters, Charts, Cartoons, Models Puppets. 5. Problem/need identification of a community. 6. Preparation of Drama based on Social Development. 7. Project-Power Point Presentation individually on any current topic. 8. Website/Web Page Designing. 9. Marketing Survey. 10. Visit to Local Exhibition.

Part C: Learning Resources
Text Books. Reference Books, Other Resources
Suggested Readings: <ol style="list-style-type: none"> 1. Extension Education: Vrinda Singh, 2nd edition, Panchsheel Publication. 2. Education and communication for development: O P Dhama, 2rd edition, oxford publication. 3. Extension Education and Communication: V K Dubey, 1st edition, New age International Publication. 4. Extension Communication and Management: G L Ray, 3rd edition, Kalyan Publication. 5. A brief book on Extension Education: Shruti Madan Singh, 2nd edition, New Vishal Publication.



6. SWAYAM portal based course Information and Communication technology: Dr. Aprajita Bhatt.
7. SWAYAM portal based course Home science: Extension and Communication management level:1 course NO.43.

E-Learning Sources:

1. Presentation of Audio: Visual Aid:
https://www.google.com/search?q=presentation+on+audio+visual+aids&rlz=1C1JJTC_enIN950IN950&oeq=Presentation+of+Audio+Viandaqs=chrome
2. Web Page/ Web Designing:
https://www.google.com/search?q=web+designing&rlz=1C1JJTC_enIN950IN950&andsxrf=
3. Marketing Survey:
https://www.google.com/search?q=marketing+survey&rlz=1C1JJTC_enIN950IN950&andsxrf=

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment : Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि. दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद

- सदस्य

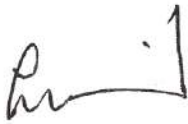
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य उक्त लाइन
उपस्थित रहे,



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-11T	
2	Course Title	Life Span Development	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Basic Knowledge of Human Development. • To understand various aspects of development in Life Span. • To understand Basic concept Creativity in children. • To understand how to impart creativity in children. • To understand various problems of life span and coping up strategies. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Life Span development: and need to study development through the life cycle. Inter-relationship between the aspects of development, Childhood period (2 to 12 years): Definition, Characteristics and Developmental tasks.	12
II	Adolescence (13 to 18years): Definition, Developmental tasks, Identity-Definition, body image, positive and negative outcomes (Role of Confusion, ego-identity), Heightened emotionality: Meaning, causes, expression, characteristics of emotional maturity, conflict with authority, coping up strategies.	12
III	Adulthood (19 to 60 years) and ageing: (Early adulthood 19 to 40 years) Definition and characteristics Development tasks, significance of the period, responsibilities and adjustment: New family, parenthood, independence, financial matters. Menopause-Health issues, Stresses in middle age, coping with stress to family, Preparation for retirement, Late Adulthood and Ageing – Definition, Retirement-effect of retirement on self, family, society, and financial problems faced, Recreational interest of the aged, Issues: Old age homes, loneliness, living in joint family, prolonged illness. (Plan visit to old age homes).	12

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IV	<p>Toddlerhood (Emotional Aspect): Importance and ways of meeting child psychological needs to promote feeling of security, Activities according to developments for various age groups trust and acceptance, 13 to 24 months-Strengthening concept formation, imagination and communication through language promotion of problem solving, environment to explore and develop confidence, 25-36 months: Improvement in body movement and communication skills, social skills concept formation.</p>	12
V	<p>Creativity: Concept of creativity and highlights of the role of creative expressions in over all development of children, Creative expressions, Meaning and definition of creativity expressions, Role of teacher in planning and fostering creative expressions, Creative expressions.</p> <p>Art Activities: Painting and graphics, Painting with brush, drawing with crayons, chalk, rangoli on floor, finger painting.(Some special characteristics of this medium), Teacher's role in conducting activities, Tearing, cutting, pasting and collage, mural, Values ,materials required and Teacher's role in conducting Activities, Printing: Types of printing i.e. block, vegetables, string, leaf, Stencils, spray, crumpled paper, different Textured surfaces.</p>	12
<p>Keywords:: Life Span development and need, Adolescence (13 to 18 years), Adulthood (19 to 60 years), Toddlerhood (Emotional Aspect), Creativity, Painting and graphics, Tearing, cutting, pasting and collage, mural, Printing.</p>		

Part C: Learning Resources	
Text Books. Reference Books, Other Resources	
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Human Development: Vrinda Singh, Hindi edition, Panchsheel Prakashan Publication. 2. Textbook of Human Development: K. Sudha Rani, 2nd edition, S Chand and Company Publication. 3. Child Development: Nandita Babu, 8th edition, Pearson Education Publication. 4. Life Span Development: John W. Santrock, 17th edition, Mc Graw hill Publication. 5. Childhood to Adolescence: Seema Sahay, 1st edition, Pearson Education Publication. 6. Child Development: Laura E. Berk, 9th edition, Pearson Education Publication. 7. Human Development: Daine E. Papalia, 9th edition, Mc Graw hill Publication. 	
<p>E:learning Resources:</p> <ol style="list-style-type: none"> 1. Adolescence: https://www.google.com/search?q=adolescence&rlz=1C1JJTC_enIN950IN950andsxsrf= 2. Toddlerhood: https://www.google.com/search?q=Toddlerhood&rlz=1C1JJTC_enIN950IN950andsxsrf= 3. Adulthood: https://www.google.com/search?q=Adulthood&rlz=1C1JJTC_enIN950IN950andsxsrf= 	

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment :

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-11P	
2	Course Title	LAB11: Life Span Development	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of development through life cycle.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Basic Knowledge of Human Development. • To understand various aspects of development in Life Span. • To understand Basic concept Creativity in children. • To understand Developmental activities in children. • To understand various problems of life span and coping up strategies. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods: 15	
Tentative Practical List	<p>Note: This is tentative list; the teachers concern can add more Experiment as per requirement .</p> <ol style="list-style-type: none"> Infancy and Toddlerhood <ol style="list-style-type: none"> A file to be prepared to list activities appropriate for age groups : 0:6 months, 7:12months,13 to 20 months and 25 to 36months. Students be encouraged to observe materials available in the locality, Different types of shops, tailor. Develop play materials suitable for each age group. List activities, which can be used for working with different age groups. <ol style="list-style-type: none"> 0 to 6 months. <ol style="list-style-type: none"> Prepare materials and design activities for seeing, hearing touching and feeling. Sensation and movement for soothing movements and exercises. 7 to 12 months. <ol style="list-style-type: none"> Prepare materials and design activities for touching and feeling sensation and movement, and manipulation. 13 to 14 months. <ol style="list-style-type: none"> Identify activities for gross motor development and prepare play materials available in the locality. Prepare play materials and list activities promote manipulation sensory experiences, concepts and language. Visit to old age homes. Art Activities

	<ol style="list-style-type: none"> 1. A few suggestions are given under each category as guideline students be encouraged to explore experiment with each media and understand the characteristics of each medium. Samples of each are included in the resource file which each student is expected to maintain along with description of values materials and technique used. 2. Difficulty level of each activity be considered and decide its suitability for different age groups: <ol style="list-style-type: none"> 1. Painting and graphics 2. Prepare a variety of brushes from different types of brooms, cotton, wool, strips of cloth, feather etc 3. Tearing cutting and pasting Workshop: <ol style="list-style-type: none"> 1. 3-5 years Tearing with all fingers, tearing with thumb and two fingers as used in holding pencil, tearing on straight line and curved line. 2. 6-8 years Tearing circular rings starting from one corner of the page till centre of page, Making designs. 3. 3-5 cutting and pasting Cutting and design, pasting, please of paper, cloth, stick sleeves college, mosaic Printing 4. Printing Workshop: <ol style="list-style-type: none"> 1. Printing with strings, leaf, vegetable blocks, stencil printing, thumb, finger, spray painting. 2. Keeping coins, leaves with veins below paper and gently coloring with crayon.
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Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Human Development: Vrinda Singh, Hindi edition, Panchsheel Prakashan Publication.
2. Textbook of Human Development: K.Sudha Rani, 2nd edition, S Chand and Company Publication.
3. Child Development: Nandita Babu, 8th edition, Pearson Education Publication.
4. Life Span Development: John W. Santrock, 17th edition, Mc Graw hill Publication.
5. Childhood to Adolescence: Seema Sahay, 1st edition, Pearson Education Publication.
6. Child Development: Laura E. Berk, 9th edition, Pearson Education Publication.
7. Human Development: Daine E. Papalia, 9th edition, Mc Graw hill Publication.

E:learning Resources:

1. Toddlerhood:

https://www.google.com/search?q=Toddlerhood&rlz=1C1JJTC_enIN950IN950andsxsrf

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment :

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable



आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- अध्यक्ष,
डॉ. बबीता दुबे	- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर
डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग	- सदस्य
डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर	- सदस्य
डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,	- सदस्य
एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय	
डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर	- सदस्य
डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि. दुर्ग	- सदस्य
डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर	- सदस्य
डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर	- सदस्य
श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.	- सदस्य
सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद	- सदस्य
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर	- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे,



Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science II Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-12T	
2	Course Title	Consumer Economics	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand importance of consumers. • To understand types of income, saving and investment. • To understand market and consumer behavior. • To understand Consumer Protection mechanism in India. • To understand Consumer Decision making. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Definition of consumer: Consumer rights and responsibility, Consumer buying habits convenience goods.	12
II	Personal income: Types of income–real, money, psychic, national income, disposable income, Saving and investment, Sources of investment.	12
III	Consumer in the market: Market-Definition, types of market, functions, channels of distribution, Buying motives – Primary, selective, rational, emotional and for teenagers. Types of Products, Advertisement, Sales, Promotion packing, Consumer Buying Problems, Faculty weights and measure, Pricing, Legal–guarantee and warrantee contracts, installment buying.	12
IV	Consumer Protection services: Organizations, Legislation–import laws for consumer protection, Consumer protective services, Indian Standard Institution, Educational Institution, Consumer Co-operatives, Government Agencies Municipality.	12
V	Consumer Decision making: Factors effecting consumer decision in the market, Consumer aides for decision making.	12
Keywords:: Definition of consumer, Personal income, Consumer in the market, Consumer Protection services, Consumer Decision making.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Consumer Protection and Business Ethics: Saroj Hiremath, 2nd edition, Nirali Publication.
2. Consumer Economics: Garima Tripathi, 1st edition, Shri ViNod pustak Mandir Publication.
3. Consumer affairs: Khanna S.R, 3rd edition, Universities Press India Publication.
4. Consumer Behaviour: Situn Krushna Sahu, 1st edition, Notion Press publication.
5. Consumer Protection Rights in India: Sushil Kumar Sen, 3rd edition, Bookwell publication.
6. Trade Practices and Consumerism: Sherlekar, 9th edition, Himalaya Publishing House.
7. The Economics of Consumption: Cochrane, 11th edition, Mc Graw hill Publication.

E:learning Resources:

1. Consumer in the market:
https://www.google.com/search?q=Consumer+in+the+market&rlz=1C1JJTC_
2. Definition of consumer:
https://www.google.com/search?q=Definition+of+consumer&rlz=1C1JJTC_enIN950IN950andsxsrfr=
3. Consumer Protection services:
https://www.google.com/search?q=Consumer+Protection+services&rlz=1C1JJTC_

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

Ans-1

Part A: Introduction			
Program: Diploma Course		Class: B.Sc. Home Science	Year: 2022 Session: 2022:2023
1	Course Code	HSC-12P	
2	Course Title	LAB12: Consumer Economics	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of consumer behavior and protection	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand importance of consumers. • To understand types of income, saving and investment. • To understand market and consumer behavior. • To understand Consumer Protection mechanism in India. • To understand Consumer Decision making process. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods : 15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per requirement . <ol style="list-style-type: none"> 1. Test for adulteration 2. Filling of different types of form to protect consumer3:Filling of form of investment services 3. Activity of educate consumer 4. Collection of samples of different symbols for helping consumer buying 5. Project –Report preparation in any relevant area.

Part C: Learning Resources
Text Books. Reference Books, Other Resources
Suggested Readings: <ol style="list-style-type: none"> 1. Consumer Protection and Business Ethics: Saroj Hiremath, 2nd edition, Nirali Publication. 2. Consumer Economics: Garima Tripathi, 1st edition, Shri ViNOd pustak Mandir Publication. 3. Consumer affairs: Khanna S.R, 3rd edition, Universities Press India Publication. 4. Consumer Behaviour: Situn Krushna Sahu, 1st edition, Notion Press publication. 5. Consumer Protection Rights in India: Sushil Kumar Sen, 3rd edition, Bookwell publication. 6. Trade Practices and Consumerism: Sherlekar, 9th edition, Himalaya Publishing House. 7. The Economics of Consumption: Cochrane, 11th edition, Mc Graw hill Publication. E:learning Resources: <ol style="list-style-type: none"> 1. Test for adulteration:

<https://www.google.com/search?q=1.%09Test+for+adulterationandrlz=1C1JJTC>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment :

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

Pr

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय विलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुवे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि. दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुष्मा घई, शासकीय विलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय विलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विश्लेषण तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.

1

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-13T	
2	Course Title	Nutritional Biochemistry	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand concepts of Biochemistry. • To understand metabolic cycles related to Carbohydrates. • To understand metabolic cycles related to Protein and Lipids. • To understand Chemistry and functions of Hormones. • To understand kinetics of Enzymes. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total NO of Periods: 60		
Unit	Topics	NO. of Periods
I	Introduction to Biochemistry: definition, objectives, scope and Inter-relationship between Biochemistry and other biological sciences. Carbohydrates: Definition, classifications functions and properties of MoNOsaccharide's : Glucose, Fructose, Galactose , Disaccharides: Maltose, Lactose, Sucrose, Polysaccharides : Dextrin, Starch, Glycogen. Metabolic cycles- Glycolysis, Gluconeogenesis, Glycogenesis, Glycogenolysis, citric and cycle, Hexose Mono-phpsahe Shunt, Blood sugar regulation procedure.	12
II	Lipids: Definition, composition, importance and classification Fatty Acids: Functions, properties Significance of Acid value, Iodine value and saponification value. Chemistry and function of Phospholipids, Glycolipids and sterols. Metabolism : B (Beta) Oxidation. Aspects of transport-Passive diffusion, Facilitated diffusion, Active transport.	12
III	Proteins : Definition composition function and classification. AmiNO acids: Essential and NOnessential. Metabolism: Urea cycle, one carbon metabolism. Nitrogen balance, AmiNO acid pool. Enzymes: Definition, properties, classification, Mode of action of enzymes, factors affecting velocity of enzyme catalyzed reactions, coenzymes.	12

IV	Hormones: Biological roles of hormones of Pituitary, Adrenal cortex and medulla, Thyroid, Parathyroid, Pancreas, Sex glands. Urine: Formation procedure and Composition.	12
V	Energy: Definition, Unit, calorimeter, caloric value of foods, BMR, RQ, SDA of Foods. Nucleic Acid and Nucleo-proteins : Chemistry, composition, structure, Functions, Types of RNA.	12
Keywords: : Biochemistry, Carbohydrate Metabolism, Gluconeogenesis, Glycogenolysis, Urea Cycle, Beta Oxidation of Fatty Acids, Energy Metabolism, Nucleic Acid, Hormones, Urine synthesis, Enzymes.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Biochemistry: O.P Agrawal, 5th Edition, Prasad's Publication.
2. Lehninger's Principles of Biochemistry: H. Lehninger, 6th Edition, Macmillan publication.
3. Biochemistry: Harper Illustrated Biochemistry, 31st Edition, Mac Graw Hill publication.
4. Biochemistry: Asha Chaudhary, , 11th edition, Shiva Publication.
5. Microbiology: RC Dubey and Maheswari, 4th Edition, S.Chand Publication.
6. Biochemistry: Ranjana Chawala and Sushmita Nyer, 5th Edition, Jaytee Brothers publication
7. Textbook of Biochemistry and Human Biology : G.P. Talwar, 3rd edition, PHI Publication.
8. Fundamentals of Biochemistry : A.C. Deb, 6th Edition, NCBI Publication.

E-Learning Sources:

1. The Active Site of enzymes
https://youtu.be/x_KvWqdzSII
2. Applications and importance of factors affecting enzyme action
<https://youtu.be/LbXx3j7b7hE>
3. Coenzymes and cofactors
<https://youtu.be/bubY2Nm7hVM>
4. Sources of Ammonia
<https://youtu.be/gSB4bshZcMU>
5. Ammonia detoxification
<https://youtu.be/x0BAnbfK5f8>
6. Disorders of ammonia metabolism
<https://youtu.be/WVhbn6OspZk>
7. Overview of neurotransmitter metabolism with emphasis on myasthenia gravis and Parkinson disease
<https://youtu.be/N6OpSyzyOJY>
8. Formation and fate of Bilirubin
<https://youtu.be/r2s0RPnCfZA>
9. Disorders of ammonia metabolism
<https://youtu.be/WVhbn6OspZk>
10. Bilirubin formation

https://youtu.be/qX0_q0ZJtCA

11. Biochemical basis for jaundice

<https://youtu.be/bBUCKxeqeAQ>

12. Jaundice: A introduction classification and causes of each type with emphasis on physiologic jaundice

<https://youtu.be/wmlt0D2nY8>

13. Investigations for differential diagnosis of jaundice

<https://youtu.be/Y11f9xQVHlo>

14. Alcohol metabolism

<https://youtu.be/TMbGJTsrQpk>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment: Continuous
Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests +
Assignment Divided by 2)



Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session:2022:2023
1	Course Code	HSC-13P	
2	Course Title	LAB13:Nutritional Biochemistry	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Biochemistry of Carbohydrates, Protein, Lipids, Vitamins.	
5	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be enable to:</p> <ul style="list-style-type: none"> • To understand concepts of Biochemistry based identification tests. • To understand various qualitative tests of major nutrients. • To understand quantitative tests of nutrients. • To understand Titration methodology. • To understand formation and uses of Haemin crystals from human blood. • To understand Idiometric method for quantitative estimation of Ascorbic Acid. • To understand quantitative estimation of Serum Hemoglobin level to assess the condition of anemia. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total No. of Periods:15	
Tentative practical List	<p>Note: This is tentative list; the teachers concern can add more Experiment as per requirement.</p> <ol style="list-style-type: none"> 1. Identification of Glucose, Fructose, Maltose, Lactose, Sucrose, Starch. 2. Colour and precipitation reactions of Protein. 3. Colour reactions of Cholesterol. 4. Estimation of Glucose by Benedict's method. 5. Estimation of Ascorbic acid by Idiometric method. 6. Estimation of Glycine by double Titration. 7. Estimation of Hemoglobin by Acid Hematin method. 8. Preparation of Haemin crystals. 9. Action of Salivary amylase on conversion of starch. 10. Project: Recording Hemoglobin level, its correlation with age, sex, weight.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Biochemistry: O.P Agrawal, 5th Edition, Prasad's Publication.
2. Lehninger's Principles of Biochemistry: H. Lehninger, 6th Edition, Macmillan publication.
3. Biochemistry: Harper Illustrated Biochemistry, 31st Edition, Mac Graw Hill publication.
4. Biochemistry: Asha Chaudhary, 11th edition, Shiva Publication.
5. Microbiology: RC Dubey and Maheswari, 4th Edition, S.Chand Publication.
6. Biochemistry: Ranjana Chawala and Sushmita Nyer, 5th Edition, Jaytee Brothers publication
7. Textbook of Biochemistry and Human Biology : G.P. Talwar, 3rd edition, PHI Publication.
8. Fundamentals of Biochemistry: A.C. Deb, 6th Edition, NCBI Publication.

E-Learning Sources:

1. The Active Site of enzymes
https://youtu.be/x_KvWqdzSII
2. Applications and importance of factors affecting enzyme action
<https://youtu.be/LbXx3j7b7hE>
3. Coenzymes and cofactors
<https://youtu.be/bubY2Nm7hVM>
4. Sources of Ammonia
<https://youtu.be/gSB4bshZcMU>
5. Ammonia detoxification
<https://youtu.be/x0BAnbfK5f8>
6. Disorders of ammonia metabolism
<https://youtu.be/WVhbn6OspZk>
7. Overview of neurotransmitter metabolism with emphasis on myasthenia gravis and Parkinson disease
<https://youtu.be/N6OpSyzyOJY>
8. Formation and fate of bilirubin
<https://youtu.be/r2s0RPnCfZA>
9. Disorders of ammonia metabolism
<https://youtu.be/WVhbn6OspZk>
10. Bilirubin formation
https://youtu.be/qX0_q0ZJtCA
11. Biochemical basis for jaundice
<https://youtu.be/bBUCKxeqeAQ>
12. Jaundice: A introduction classification and causes of each type with emphasis on physiologic jaundice
<https://youtu.be/wmlt0D2nY8>
13. Investigations for differential diagnosis of jaundice
<https://youtu.be/Y11f9xQVHlo>
14. Alcohol metabolism
<https://youtu.be/TMbGJTsRQpk>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment: Continuous
Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable



आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- अध्यक्ष,
डॉ. बबीता दुवे	- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर
डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग	- सदस्य
डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर	- सदस्य
डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,	- सदस्य
एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय	
डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर	- सदस्य
डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि. दुर्ग	- सदस्य
डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर	- सदस्य
डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर	- सदस्य
श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.	- सदस्य
सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. दीपाली राय, शासकीय धनश्याम सिंह गुप्त स्नातको. महावि. बालोद	- सदस्य
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर	- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III	Year: 2022
		Year	Session: 2022-2023
1	Course Code	HSC-14T	
2	Course Title	Food Preservation	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand Basic Knowledge of Principles of Preservation. • To understand Basic Knowledge of Asepsis, Temperature. • To understand Basic Knowledge of Food Processing. • To understand Basic Knowledge of Traditional Foods preservation. • To understand Basic Knowledge of Effects of Food Storage. • To understand Basic Knowledge of Dehydration and Pasteurization. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total NO. of Periods: 60		
Unit	Topics	NO. of Periods
I	Food Preservation: Food and its preservation. Home and community level including commercial operations. Principles of food Preservation. Causes of spoilage of food.	12
II	Food Storage: Food Storage Principles -Plant product. Storage, Animal product Storage, Effects of Storage. Canning: Principles and methodology.	12
III	Pasteurization: Principles and Methodology, Effect on food quality. Drying and Dehydration: Methods used and effect on food quality.	12
IV	Uses of low temperature: Refrigeration and freezing methods, Principles and applications. Shelf life of frozen foods Pickling and Fermentation: Pickles, chutneys, ketchups sauces. Fermentation: Types, products and method use.	12
V	Chemical Preservatives: Preparation of Fruit, Juices, Squashes, Fruited Syrups, Cordials, Jam Jelly. Nutritional Implications of food processing: Causes for loss of Vitamins and minerals, Enrichment and Fortification.	12
Keywords: : Food preservation, Food Storage, Pasteurization, Drying and Dehydration, Uses of low temperature, Pickling and Fermentation, Chemical Preservatives, Nutritional Implications of food processing.		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Fruit and vegetable preservation, R.P.Shrivastava, 3rd Edition, CBS Publication,
2. Food processing and preservation, G.Subulakshmi, 2nd Edition, New age International Publication.
3. Food science, B. Shrilaxmi, 7th Edition, New age International Publication.
4. Food processing and preservation, D S Warris 1st Edition, CBS Publication.
5. Food processing and techNOlogy, Atul Agnihotri, 2nd Edition, Crescent publication.
6. Food processing, packaging, preservation and safety, R.D.Joshi, 3rd Edition, Agrotech press Publication
7. Handbook of Food Preservation, M. Shafiur Rahman, 5th Edition, CRC publication.

E: Resources:

1. Food preservation
<https://youtu.be/2PgVWLjK0gE>
2. Food Preservation Part II. Preservation by Chemical preservatives.
<https://youtu.be/HTIetKeQx1g>
3. Food chemistry : preservatives and additives (beginners guide)
<https://youtu.be/9dhjmfdbQh8>
4. Physical and chemical methods of food preservation | Food and industrial Microbiology
<https://youtu.be/ItmBg5FBdRM>
5. Principles and methods of food preservation
<https://youtu.be/sE6ABn7qbmY>
6. CANNING: canning of fruits and vegetables. Types of cans process of canning.
https://youtu.be/XKvo9_Jdjt4
7. खाद्य परिरक्षण //Food preservation
<https://youtu.be/WngqPRYWvAY>
8. Food Preservation Techniques? Definition, Principle, Physical and Chemical Methods
<https://youtu.be/M:5pgPzyCS4>
9. Chemical Preservation of Foods I Food Preservation Methods : Lesson 11 Food Processing TechNOlogy
<https://youtu.be/BQFC4APvqDo>
10. Food Preservation and Storage
<https://youtu.be/uRd3VzOfOJc>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:	Class Test	Two Test each of 15
Continuous Comprehensive Evaluation (CCE)	Assignment/Presentation	Assignment Marks: 15 (Mean of Two Tests + Assignment Divided by 2)

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III	Year: 2022
		Year	Session: 2022:2023
1	Course Code	HSC-14P	
2	Course Title	LAB14: Food Preservation	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of principles and technology of food preservation.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand Basic Knowledge of Principles of Preservation. 2. To understand Basic Knowledge use of temperature for preservation. 3. To understand use of chemical preservatives. 4. To understand Basic Knowledge of Asepsis. 5. To understand technology of dehydration up to optimal level. 6. To understand packing techniques. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods:15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per Requirement. <ol style="list-style-type: none"> 1. Preparation of Jam, Jellies marmalades. 2. Preparation of Pickles and chutneys. 3. Dehydration of Vegetables and Fruits. 4. Preparation of synthetic syrups and squashes. 5. Preparation of Sauces. 6. Preparation of preserved foods by using chemical preservatives by using quantities suggested by FAD and to observe their shelf life. 7. Preparation of Papad, Badi, Chips. 8. Survey of market products. 9. Packaging technique. 10. Project: Survey of popular preserved foods in market.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Fruit and vegetable preservation, R.P.Shrivastava, 3rd Edition, CBS Publication,
2. Food processing and preservation, G.Subulakshmi, 2nd Edition, New age International Publication.
3. Food science, B. Shrilaxmi, 7th Edition, New age International Publication.
4. Food processing and preservation, D S Warris 1st Edition, CBS Publication.
5. Food processing and technology, Atul Agnihotri, 2nd Edition, Crescent publication.
6. Food processing, Packaging, Preservation and safety- R.D.Joshi, 3rd Edition, Agrotech press Publication
7. Handbook of Food Preservation, M.Shafiur Rahman, 5th Edition, CRC publication.

E-Learning Sources:

1. Food Preservation Part II. Preservation by Chemical preservatives.
<https://youtu.be/HTletKeQx1g>
2. Food Chemistry : preservatives and additives (beginners guide)
<https://youtu.be/9dhjmfdbQh8>
3. Physical and chemical methods of food preservation | Food and industrial Microbiology
<https://youtu.be/ItmBg5FBdRM>
4. Principles and methods of food preservation
<https://youtu.be/sE6ABn7qbmY>
5. CANNING: canning of fruits and vegetables. Types of cans process of canning.
https://youtu.be/XKvo9_Jdjt4
6. खाद्य परिरक्षण //Food preservation
<https://youtu.be/WngqPRYWvAY>
7. Food Preservation Techniques? Definition, Principle, Physical and Chemical Methods
<https://youtu.be/M:5pgPzyCS4>
8. Chemical Preservation of Foods 1 Food Preservation Methods : Lesson 11 1 Food Processing TechNOlogy
<https://youtu.be/BQFC4APvqDo>
9. Food Preservation and Storage
<https://youtu.be/uRd3VzOfOJc>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुवे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर, देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विश्लेषण तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-15T	
2	Course Title	Early Childhood Care and Education	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand basic Knowledge of early Childhood care. 2. To understand basic Knowledge of Theoretical approaches. 3. To understand basic Knowledge of current status and expansion of ECCE. 4. To understand basic Knowledge of Language skills. 5. To understand basic Knowledge of Effects of various Play. 6. To understand basic Knowledge of Evaluation techniques. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Significance and objectives of Early Childhood care and education: Significance if early childhood years in individual's development Meaning and need for intervention programs for better growth and development. Objectives of ECCE-Different types of programs currently offered, objectives of the programs routine and target group covered by each of the following: ECE programs Balwadi, Aanganvadi, Nursery school, Kinder garden, Montessori School, Laboratory nursery school. ECCE programs - ICDS and Mobile crutch, Day Care Centre.	12
II	Current status and expansion and scope of ECE to ECCE: Expansion from ECE TO ECC, Current / status of ECCE programs, Objectives: staff qualifications, teacher: children ratio, Indoor and Outdoor Play space, Play facilities, Equipments, curriculum and evaluation, Admission tests and effects on children Needs for ECCE programs to provide quality acre where mothers are at work.	12

III	Meaning of curriculum, foundation of curriculum development: Impact of play as meanings of development and learning. Teacher's role in creating environment and promoting play. Classical theories of play: surplus energy theory, relaxation theory, pre-exercise and recapitulation theory. Programs Planning: Approaches to learning: incidental and planned learning, Principles of programs planning: from known to unknown, simple to complex, concrete to abstract, Factors influencing programs planning, Balance between individual and group activity, indoor and outdoor play, guided and free activities, quite and active plays.	12
IV	Language: Goals of language teaching, Readiness for ready and writing, meaning of readiness, Factors to be considered for readiness: age , vision, caring, physical, emotional , social ,experimental background, finger: motor coordination, eye and hand coordination, reading from left to right and top to bottom. Mathematics: Importance of number and mathematics, Number as a language and history of its development, Abstract nature of number, Mathematical readiness, Decimal system, Number line position and relevance of zero, Subtraction, multiplication and division, Two and three dimensional shapes: properties, characteristics.	12
V	Project Method: Introduction, Meaning and advantages of using project method, Planning Resource unit, Alternative to home work, Disadvantages of learning by role, Suitable alternatives such as observations, Experimentation and reporting orally, picture etc, something related to the Concepts covered in class, Evaluation-Need for evaluation, formatting Evaluation, Method of evaluation: Observations, Evaluation of daily work, Tools for evaluation, reporting to parents.	12
Keywords: : Early Childhood, ECCE, curriculum, foundation of curriculum development, Program Planning, Language, Learning, Evaluation.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. प्रारम्भिक बाल्यावस्था, देखभाल एवं शिक्षा, डा. सविता सक्सेना, 4th edition, Shri viNOd mandir Publication.
2. Early childhood care and education, M Sen Gupta, Eastern ecoNOmy edition, PHI publication.
3. Early childhood care and education, J.C. Aggarwal, S. Gupta, 2nd edition, Shipra Publication.
4. Child care and education, Tina Bruce and Carolyn Meggitt, 2nd edition, Hodder Publication.
5. Early childhood care and education, Dr. Amaresh Chandra sahu, 3rd edition, Data book world publication.
6. Play and practice in the early years: Foundation stage. Canning, N. 2010th edition, Sage Publication.
7. Early detection of disabilities and persons with disabilities in the community, Chopra, G.2012th

edition, Engage Publications.

E-Learning Sources:

1. भाषा एवं वाणी किसे कहते हैं
<https://youtu.be/2vcqU2FOU90>
2. भाषा विज्ञान के सिद्धान्त
<https://youtu.be/4ug6UUqWcQM>
3. भाषा विकास में वाणी विकार क्या होते हैं
<https://youtu.be/1V35upbHPPY>
4. Eric:eriction theory:!!psycho:social development!!child development
<https://youtu.be/NEL6wNmSqFQ>
5. खेल एवं विकास
<https://youtu.be/dXMRB97r57E>
6. बाल विकास में खेल और काम में अन्तर
<https://youtu.be/FANhL3AdksE>
7. संवेगात्मक विकास
<https://youtu.be/EFxIkCpedlg>
8. विभिन्न अवस्थाओं में क्रियात्मक विकास
<https://youtu.be/v9Zra08uS9Q>
9. Stages of development infancy babyhood ,earl childhood late childhood adolescence adulthood old age
<https://youtu.be/2fgDs8SgpY8>
10. जौन पियाजे के सिद्धांत
<https://youtu.be/gnlkUzdWV0Y>
11. POC SO,PCPNDT CARA GAWA!!FOR WOMEN AND CHILDREN
<https://youtu.be/aL6tEqkbD64>
12. Psycho sexual theory by Freud (child development)
<https://youtu.be/Y7jyaURVJuM>
13. बाल्यावस्था में होने वाले क्रियात्मक विकास
<https://youtu.be/1Fy:FJY4WhY>
14. Child Development :Reflex Action: Moro, rooting, palmer, grasp reflex in Infancy Stage
<https://youtu.be/BU52UO5Si1o>
15. गर्भावस्था की अवस्थाएं
<https://youtu.be/Idui61y1M5A>
16. शैशवावस्था की विशेषताएं
<https://youtu.be/JwhscommKQg>
17. कोलबर्ग की थ्योरी
<https://youtu.be/9AAV21IfTOY>
18. Piagets Cognitive development theory
<https://youtu.be/QRXOneFB0Qo>
19. Piaget's Cognitive development theory
<https://youtu.be/L9weWOrZzK4>
20. psychosexual theory
<https://youtu.be/GSMNW0D45VA>
21. फ्रायड की मनोविश्लेषणात्मक सिद्धान्त
<https://youtu.be/ZgKrYH3HF34>

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Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment: Continuous
Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

P-1

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-15P	
2	Course Title	LAB15: Early Childhood Care and Education	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of objectives and various methods of studying Early childhood care and education.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand Basic Knowledge objectives of child care. 2. To understand approaches to care children. 3. To understand current status and expansion techniques of ECCE. 4. To understand how to develop Language skills in children. 5. To understand importance of play in childhood. 6. To understand Basic Knowledge of Evaluation techniques related with children. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods:15	
Tentative Practical List	<p>Note: This is tentative list; the teachers concern can add more Experiment as per requirement</p> <ol style="list-style-type: none"> 1. Plan three activities for children: list objectives, analyst tasks to achieve goals, select and organize instructional and .learning materials, teacher's role, Preparation of evaluation sheets i.e. chick list, rating scale. 2. Prewriting activities. <ol style="list-style-type: none"> (a) Mathematics (b) Readiness (c) Materials for classifying, comparing, serrations, patterning, counting shapes, Fractions, list vocabulary related to mathematical concepts. (d) Material for addition, subtraction, multiplication and divisions. , (e) Graphs. (f) Experiences for understanding time distance weight, capacity and Money. 4. Plan science experiences. 5. Project: Plan a study based on lessons of first and second standard, plan Activities which children can do at home.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. प्रारम्भिक बाल्यावस्था, देखभाल एवं शिक्षा, डा. सविता सक्सेना, 4th edition, Shri vinod Mandir Publication
2. Early childhood care and education, M Sen Gupta, Eastern economy edition, PHI publication.
3. Early childhood care and education, J.C. Aggarwal, S. Gupta, 2nd edition, Shipra Publication.
4. Child care and education, Tina Bruce and Carolyn Meggitt, 2nd edition, Hodder Publication.
5. Early childhood care and education, Dr. Amaresh Chandra Sahoo, 3rd edition, Data book world publication
6. Play and practice in the early years: Foundation stage. Canning, N. 2010th edition, Sage Publication..
7. Early detection of disabilities and persons with disabilities in the community, Chopra, G. 2012th edition, Engage Publications.

E-Learning Sources:

1. भाषा एवं वाणी किसे कहते हैं
<https://youtu.be/2vcqU2FOU90>
2. भाषा विज्ञान के सिद्धान्त
<https://youtu.be/4ug6UUqWcQM>
3. भाषा विकास में वाणी विकार क्या होते हैं
<https://youtu.be/IV35upbHPPY>
4. Eric:eriction theory!!psycho:social development!!child development
<https://youtu.be/NEL6wNmSqFQ>
5. खेल एवं विकास
<https://youtu.be/dXMRB97r57E>
6. बाल विकास में खेल और काम में अन्तर
<https://youtu.be/FANhL3AdksE>
7. संवेगात्मक विकास
<https://youtu.be/EFxIkCpedlg>
8. विभिन्न अवस्थाओं में क्रियात्मक विकास
<https://youtu.be/v9Zra08uS9Q>
9. Stages of development infancy babyhood ,earl childhood late childhood adolescence adulthood old age
<https://youtu.be/2fgDs8SgpY8>
10. जीन पियाजे के सिद्धांत
<https://youtu.be/gnlkUzdWV0Y>
11. POCSO,PCPNDT CARA GAWA!!FOR WOMEN AND CHILDREN
<https://youtu.be/aL6tEqkbD64>
12. Psycho sexual theory by Freud (child development)
<https://youtu.be/Y7jyaURVJuM>
13. बाल्यावस्था में होने वाले क्रियात्मक विकास
<https://youtu.be/1Fy:FJY4WhY>
14. गर्भावस्था की अवस्थाएं



<https://youtu.be/Idui61y1M5A>

15. शैशवावस्था की विशेषताएं

<https://youtu.be/JwhscommKQg>

16. कोलबर्ग की थ्योरी

<https://youtu.be/9AAV21IfTOY>

17. Piagets Cognitive development theory

<https://youtu.be/QRXOneFB0Qo>

18. Piaget's Cognitive development theory

<https://youtu.be/L9weWOrZzK4>

19. psychosexual theory

<https://youtu.be/GSMNW0D45VA>

20. फ्रायड की मनोविश्लेषणात्मक सिद्धान्त

<https://youtu.be/ZgKrYH3HF34>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment: Continuous
Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर, देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

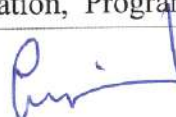
- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य अग्न लाइन उपस्थित रहे,



Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-16T	
2	Course Title	Extension Education	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand basic concept of Extension. • To understand basic Knowledge of Role of NGOs for the community. • To understand basic concept of Principle and Methods of extension. • To understand basic Knowledge of Enhancement of food production. • To understand basic concept of Family welfare programs. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Concept of Education: Meaning of Extension, Origin of Extension Extension Education Process-Environment for learning, Role of educator.	12
II	Concept of adult / Non formal education: Meaning, Purpose Five Year Plans: History of planning in India, Five year plans and their focus.	12
III	Programs to enhance food production: National food production programs. Poverty alleviation efforts: Programs for poverty alleviation for rural and urban areas.	12
IV	Programs for women and children: Women as target groups: specific measures for women and children such as DWCRA, ICDS, IMY. Current programs for women as initiated and implemented by the different ministries and Departments. Role of NGOs: Need for participation of Non-Governmental organizations in developmental efforts.	12
V	Advertising Media: Non-media advertising, Outdoor advertisement : Hoardings, Posters, Bill boards, Bulletin Boards, and Electronic sings, Litterbins, Aerial methods, Transportation media (Mobile Vehicles).	12
Keywords:: Concept of Education, Extension Education Process, adult / Non formal education, Five Year Plans, food production, Poverty alleviation, Programs for women and children, Role		



of NGO, Advertising Media.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Extension Education: Vrinda Singh, 2nd edition, Panchsheel Publication
2. Education and communication for development: O P Dhama, 2rd edition, oxford publication.
3. Extension Education and Communication: V K Dubey, 1st edition, New age International Publication.
4. Extension Communication and Management: G L Ray, 3rd edition, Kalyan Publication
5. A brief book on Extension Education: Shruti Madan Singh, 2nd edition, New Vishal Publication.

E-Learning Sources:

1. Communication: types, function, model
<https://youtu.be/bW8gYwOlGM>
2. प्रसार शिक्षा क्या होता है :2
<https://youtu.be/c7fQOnIyV6s>
3. प्रसार शिक्षा क्या होता है :1
<https://youtu.be/6EI5S2wpBlk>
4. History of extension education
<https://youtu.be/oCJ4NIzch7w>
5. Process of Extension Education
<https://youtu.be/vOVmKIgSCzs>
6. प्रसार शिक्षा के दर्शन
<https://youtu.be/NKQIQMVNZdQ>
7. Extension Teaching method: Audio ,Visual, Audio-visual
<https://youtu.be/kSXiAQFd7sI>
8. Types of chart: pictorial ,organization, flow-line
<https://youtu.be/ILhXyUbrI70>
9. Types of communication : intra ,inter group ,communication.
https://youtu.be/T50JUwc1_Bs
10. Elements of Adoption and categories of Adopters in extension education!! Extension Education!
https://youtu.be/sBCXbB_7_44
11. Extension and communication
<https://youtu.be/V8IZsdIzbMc>
12. Extension Education
<https://youtu.be/x4VqsPFSXcA>
13. Teaching aids
https://youtu.be/l5amubD_DZg
14. प्रसार शिक्षा में कार्यक्रम नियोजन की प्रक्रिया
https://youtu.be/sIUE_xg5ElM

15. seven C's of effective communication
<https://youtu.be/tZkvgFuzLSw>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment: Continuous
Comprehensive Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

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Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-16P	
2	Course Title	Extension Education	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Extension education practices in Home Science	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand importance of Extension techniques. 2. To understand importance of role of NGOs for the community. 3. To understand techniques for mass communication. 4. To understand script writing related with community problems. 5. To understand implication of extension activities for the subject. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B: Content of the Course	
Total NO. of Periods :15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per requirement : <ol style="list-style-type: none"> 1. Visits to Radio / T.V. stations. 2. Script writing for Radio. 3. Visit to Extension Education Unit. 4. Write slogan about Adult-Education. 5. Project: Designing an Advertisement for any product with relevant slogan 6. Designing an advertising policy for any product.

Part C: Learning Resources
Text Books. Reference Books, Other Resources
Suggested Readings: <ol style="list-style-type: none"> 1. Extension Education: Vrinda Singh, 2nd edition, Panchsheel Publication 2. Education and communication for development: O P Dhama, 2rd edition, oxford publication. 3. Extension Education and Communication: V K Dubey, 1st edition, New age International Publication. 4. Extension Communication and Management: G L Ray, 3rd edition, Kalyan Publication 5. A brief book on Extension Education: Shruti Madan Singh, 2nd edition, New Vishal Publication.

E-Learning Sources:

1. Communication:types, function, model
<https://youtu.be/bW8gYwOIGM>
2. प्रसार शिक्षा क्या होता है :2
<https://youtu.be/c7fQOnIyV6s>
3. प्रसार शिक्षा क्या होता है :1
<https://youtu.be/6EI5S2wpBlk>
4. History of extension education
<https://youtu.be/oCJ4NIzch7w>
5. Process of Extension Education
<https://youtu.be/vOVmKIgSCzs>
6. प्रसार शिक्षा के दर्शन
<https://youtu.be/NKQIQMVNZdQ>
7. Extension Teaching method:Audio ,Visual, Audio:visual
<https://youtu.be/kSXiAQFd7sI>
8. What is chart and poster? types of chart: pictorial ,organization, flow,line
<https://youtu.be/ILhXyUbrI70>
9. What is communication? types of communication :intra ,inter group ,communication.
https://youtu.be/T50JUwc1_Bs
10. Elements of Adoption and categories of Adopters in extension education!! Extension Education!
https://youtu.be/sBCXbB_7_44
11. Extension and communication
<https://youtu.be/V8IZsdIzbMc>
12. Extension Education
<https://youtu.be/x4VqsPFSXcA>
13. Teaching aids
https://youtu.be/l5amubD_DZg
14. प्रसार शिक्षा में कार्यक्रम नियोजन की प्रक्रिया
https://youtu.be/sIUE_xg5EIM
15. Seven C's of effective communication
<https://youtu.be/tZkvgFuzLSw>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- अध्यक्ष,

डॉ. बबीता दुबे

- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर

डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग

- सदस्य

डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर

- सदस्य

डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,

- सदस्य

एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय

डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर

- सदस्य

डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि, दुर्ग

- सदस्य

डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर

- सदस्य

डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर

- सदस्य

श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.

- सदस्य

सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद

- सदस्य

डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर

- सदस्य

डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर

- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा दोष अन्या सदस्य ऑन लाइन उपस्थित रहे.

1

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III	Year: 2022
		Year	Session: 2022:2023
1	Course Code	HSC-17T	
2	Course Title	Foundation of Art and Design	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand basic Knowledge of various designs. 2. To understand basic Knowledge of role of accessories in any house. 3. To understand basic concept of family housing needs. 4. To understand basic Knowledge of financial management in home. 5. To understand basic concept of Landscape planning. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Introduction to foundation of Art: Design, Definition and types:: Structural and Decorative, Elements of design ,Light : Characteristics and Classification, Study of Colour : classification, dimensions, colour schemes and effect.	12
II	Indian, regional, traditional and contemporary arts and their use in: Floor decoration, Home decoration, Accessories.	12
III	Family's Housing Needs: Protective, economic, affection, social, standard of living, housing goals, style and function occupation. Factors influencing selection and purchase of site for house building. Legal aspects, location, physical feature, soil conditions, cost, services. Landscape planning : Principles and application.	12
IV	Financial Considerations: Availability of funds for housing, Housing Development finance corporation, Cooperative Housing Society, Life Insurance corporation, Cooperative Banks, Loan from provident fund Finance corporation of India. Disability of owning versus renting: Housing problems, causes and remedial measures.	12
V	Furniture: Styles of furniture: traditional contemporary and modern. Selection of furniture for comfort, rest and relaxation for work, for storage Arrangement of furniture for living. Sleeping, dining and multipurpose rooms, Accessories and their role in interiors.	12

Keywords: Introduction to foundation of art, Indian, regional, traditional and contemporary arts, Family's Housing , Needs, Landscape planning, Financial Considerations, Disability of owning versus renting, Furniture, Accessories and their role in interiors.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. Art and Design , Rachel Logan
2. Art and Design: Garry whitehead, 1st edition, Collins Publication.
3. Foundation of art and design: Dr.Pranav Bhatt, 3rd Edition, Embassy Publication.
4. Art and Design: Virginia Evans, 11th edition, Express Publishing Company
5. Foundation of digital art and design: Xtine Burrough, 1st edition, Adoby creative Art publication, New Ridders publication.
6. The Interior Design: Chris Grimley, 3rd edition, Rockport publication.
7. Home Management: MA Varghese, 2nd edition. New age International Publication.
8. Management in Family living: Nickell Dorsie ,4th edition, Macmillan Publication.

E- Learning sources:

1. बुनाई के प्रकार!! सादी ,टवील,सेटीन!
<https://youtu.be/RAIuqExxtdw>
2. भारत के प्रसिद्ध परम्परागत वस्त्र एवं कढ़ाई
https://youtu.be/7kk3kb_YOBA
3. भारत के प्रसिद्ध परम्परागत वस्त्र !!जामदानी, कशीदाकारी,कसूती, चिकनकारी भाग
https://youtu.be/wdNF_R39zTg
4. What is garment design
https://youtu.be/Ef:0HUjl_Tc
5. Man made fibres :part 2# nylon, polyester ,acrylic
<https://youtu.be/4Y4Ic9v:Rxs>
6. What is printing? types of printing:Hand and modern printing
<https://youtu.be/fvDeOy3BedE>
7. Types of printing:block roller, transfer,batik, digital printing
<https://youtu.be/W4d0WIHFFSk>
8. विभिन्न प्रकार के रेशों एवं उनके गुण:cotton ,wool and Silk ,rayon
<https://youtu.be/Ps:hY1BwZd4>
9. Textile Fibre Properties and Definition of Textile
<https://youtu.be/NC7Hlk8cV84>
10. Physical and Chemical Properties of Cotton II Ginning and Harvesting of Cotton
<https://youtu.be/XcCSOEGt8YU>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Two Test each of 15 Assignment Marks: 15 (Mean of Two Tests + Assignment Divided by 2)
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Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session:2022:2023
1	Course Code	HSC-17P	
2	Course Title	LAB17:Foundation Of Art And Design	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Indian Art, housing and family's financial management.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ol style="list-style-type: none"> 1. To understand concept of Indian Art. 2. To understand basic Knowledge Family housing needs of Indian Families. 3. To understand techniques for the financial management for families. 4. To understand basic concept of colour schemes and their impact. 5. To understand basic concept of Landscape planning. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part B : Content of the Course	
Total NO. of Periods :15	
Tentative Practical List	Note: This is tentative list; the teachers concern can add more Experiment as per requirement <ol style="list-style-type: none"> 1. Freehand drawing: Memory drawing and sketching. 2. Scale drawing, solid geometry, orthographic. 3. Preparation of colour wheel and colour schemes. 4. Elements of design laws of field size, proportion, types of shadows. 5. Residential space planning : scale, lines, abbreviations, metric projections, definingspace by shades, shadows. 6. Lettering. 7. Use of colour for wall/floor decoration and making accessories. 8. Application of design principles in flower arrangement, styles of flower ar arrangement,inNOvation of new styles. 9. Gift wrapping and preparing decorative articles of fibre, fabric, coir, bamboo, clay,metal etc. 10. Project:Drawing house plans with standard specification. 11. Furniture layout of living, dining. Kitchen and bedroom designs presentation withfurniture layout, sectional elevation, views. 12. Development of designs and construction of any five of the under mentioned items :Cushions, curtains, carpets, doormats, rugs, table mates. 13. Wall paintings, picture frame design. 14. Graphic designs.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Art and Design , Rachel Logan
2. Art and Design: Garry whitehead, 1st edition, Collins Publication.
3. Foundation of art and design: Dr. Pranav Bhatt, 3rd Edition, Embassy Publication.
4. Art and Design: Virginia Evans, 11th edition, Express Publishing Company
5. Foundation of digital art and design: Xtine Burrough, 1st edition, Adoby creative Art publication, New Ridders publication.
6. The Interior Design: Chris Grimley, 3rd edition, Rockport publication.
7. Home Management: MA Varghese, 2nd edition. New age International Publication.
8. Management in Family living: Nickell Dorsie ,4th edition, Macmillan Publication.

E- Learning sources:

1. बुनाई के प्रकार!! सादी ,ट्वील,सेटीन!
<https://youtu.be/RAIuqExxtDw>
2. भारत के प्रसिद्ध परम्परागत वस्त्र एवं कढ़ाई
https://youtu.be/7kk3kb_YOBA
3. भारत के प्रसिद्ध परम्परागत वस्त्र !!जामदानी, कशीदाकारी,कसूती, चिकनकारी भाग
https://youtu.be/wdNF_R39zTg
4. What is garment design
https://youtu.be/Ef:0HUjl_Tc
5. Man made fibres :part 2# nylon, polyester ,acrylic
<https://youtu.be/4Y4Ic9v:Rxs>
6. What is printing? types of printing:Hand and modern printing
<https://youtu.be/fvDeOy3BedE>
7. Types of printing:block roller, transfer,batik, digital printing
<https://youtu.be/W4d0WIHFFSk>
8. विभिन्न प्रकार के रेशों एवं उनके गुण:cotton ,wool and Silk ,rayon
<https://youtu.be/Ps:hY1BwZd4>
9. Textile Fibre Properties and Definition of Textile
<https://youtu.be/NC7Hlk8cV84>
10. Physical and Chemical Properties of Cotton II Ginning and Harvesting of Cotton
<https://youtu.be/XcCSOEGt8YU>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	Not Applicable
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आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- अध्यक्ष,
डॉ. बबीता दुबे	- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर
डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, भिलाई-3, दुर्ग	- सदस्य <i>BWS 31/5/22</i>
डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर	- सदस्य <i>SNC</i>
डॉ. संध्या मदन मोहन, प्राचार्य, भिलाई महिला महाविद्यालय, भिलाई,	- सदस्य <i>Shr</i>
एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय	
डॉ. रश्मि मिंज, दूधाधारी महिला महावि. रायपुर	- सदस्य <i>Ry</i>
डॉ. अल्का दुग्गल, वामन राव पाटनकर महिला महावि. दुर्ग	- सदस्य <i>Alka 31.5.22</i>
डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अंबिकापुर	- सदस्य <i>Nisha</i>
डॉ. शिप्रा बनर्जी, दूधाधारी महिला महावि. रायपुर	- सदस्य <i>Shrji</i>
श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.	- सदस्य <i>Ala</i>
सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य <i>Sush</i>
डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि. बालोद	- सदस्य <i>Shrma</i>
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर	- सदस्य <i>Shr</i>

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.

Pr

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session: 2022:2023
1	Course Code	HSC-18T	
2	Course Title	Apparel Making and Fashion Designing	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand textile fibers. • To understand Importance of Clothing. • To understand Latest Fashion trends. • To understand various patterns in clothing. • To understand traditional embroidery of Indian tradition. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 60+15	Min Passing Marks : 25

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	NO. of Periods
I	Clothing: meaning and significance: Origin of clothing, Costumes of ancient age , Costumes of modern age, Importance of clothing, Sociological and psychological aspects of clothing , Selection of suitable fabric for dress.	12
II	Personality: meaning, types and factors affecting personality Role of costumes in improving personality, Clothing and personality. Fashion: definition, theories, Fashion trends in India, Trimming materials used for making garment, Ornamentation techniques.	12
III	General principles of tailoring and sewing machine: Tailoring tools, Methods of taking body measurements for different garments, Pattern making techniques and pattern alteration, Flat pattern, Cloth estimation.	12
IV	Fashion Illustrations: Disposals of fullness, Plackets, Neck lines, Collars, Sleeves, Frill and gathers, Patch work.	12
V	Traditional Embroideries of India: Kasida of Kashmir, Kantha of Bengal, Chikankari of lucknow, Kutch and Kathiawar, Kasuti of Karnataka, Phulkari of Punjab, Zari embroidery.	12
Keywords:: Clothing , Impact of clothing on psychological profile, Cloth for various different occasions, Body Measurements, Fashion Illustrations, Finishing of garments, Embroidery.		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. वस्त्र विज्ञान एवं परिधान का परिचय, डा. मंजु पटनी, स्टार पब्लिकेशन, आगरा.
2. वस्त्र विज्ञान एवं परिधान: डा. प्रमिला वर्मा, 11th edition, Privilege Publication.
3. Fundamental of textiles and their care : Susheela Dantgagi, 5th edition, Orient blackswan Publication.
4. Textile Design (Theory and concepts): Charu Swami, 7th edition, New age International publication .
5. Textile Science(A Practical Manual): Dr. Deepali Rastogi, 3rd edition, Elite Publication.
6. Textile Yarns: B.C.Goswami, 3rd edition, Wiley India Publication.

E-Learning sources:

1. बुनाई के प्रकार!! सादी ,ट्वील,सेटीन!
<https://youtu.be/RAIuqExxtdw>
2. भारत के प्रसिद्ध परम्परागत वस्त्र एवं कढ़ाई
https://youtu.be/7kk3kb_YOBA
3. भारत के प्रसिद्ध परम्परागत वस्त्र !!जामदानी, कशीदाकारी,कसूती, चिकनकारी भाग
https://youtu.be/wdNF_R39zTg
4. What is garment design
https://youtu.be/Ef:0HUjl_Tc
5. Man made fibres :part 2# nylon, polyester ,acrylic
<https://youtu.be/4Y4Ic9v:Rxs>
6. What is printing? types of printing: Hand and modern printing
<https://youtu.be/fvDeOy3BedE>
7. Types of printing:block roller, transfer,batik, digital printing
<https://youtu.be/W4d0WIHFFSk>
8. विभिन्न प्रकार के रेशों एवं उनके गुण:cotton ,wool and Silk ,rayon
<https://youtu.be/Ps:hY1BwZd4>
9. Textile Fibre Properties and Definition of Textile
<https://youtu.be/NC7Hlk8cV84>
10. Physical and Chemical Properties of Cotton II Ginning and Harvesting of Cotton
<https://youtu.be/XcCSOEGt8YU>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 75

Continuous Comprehensive Evaluation(CCE): 15

University Exam (UE): 60

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Two Test each of 15
Assignment Marks: 15
(Mean of Two Tests + Assignment
Divided by 2)

Part A: Introduction			
Program: Degree Course		Class: B.Sc. Home Science III Year	Year: 2022 Session:2022:2023
1	Course Code	HSC-18P	
2	Course Title	Apparel Making and Fashion Designing	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical Knowledge of Cloth construction.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> • To understand textile fibers fit for any specific occasion. • To understand techniques of body measurement. • To understand cloth cutting and stitching techniques. • To understand various patterns in clothing construction. • To understand traditional embroidery of Indian tradition. 	
6	Credit Value	Practical: 2	
7	Total Marks	Max. Marks: 25	Min Passing Marks : 09

Part C: Content of the Course	
Total NO. of Periods :15	
Tentative Practical List	<p>Note: This is tentative list; the teachers concern can add more Experiment as per requirement</p> <ol style="list-style-type: none"> 1. Making samples of traditional embroideries of India : <ol style="list-style-type: none"> (i) Kashida of kashmir (ii) Kantha of Bengal. (iii) Kasuti of karnataka (iv) Kutch and kathiawar (v) Phulkari of punjab (vi) Chikankari of luckNOW (vii) Zari embroidery 2. 07 days workshop on Trimming materials 3. 07 days workshop on Ornamentation techniques in garments 4. 07 days workshop on Tailoring 5. 07 days workshop on fashion illustration 6. 07 days workshop on hand embroidery stitches 7. Educational visit to Boutique and famous tailoring shop Preparation of paper pattern for all age groups 8. Adoption of the basic block to various clothes and their stitching: blouse, Salwar, Chudidar Kameez , Petticoats , Frock , Night Dress. 9. Educational visit to garment industry.

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. वस्त्र विज्ञान एवं परिधान का परिचय, डा. मंजु पटनी, स्टार पब्लिकेशन, आगरा.
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E- Learning sources:

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https://youtu.be/7kk3kb_YOBA
3. भारत के प्रसिद्ध परम्परागत वस्त्र !!जामदानी, कशीदाकारी,कसूती, चिकनकारी भाग
https://youtu.be/wdNF_R39zTg
4. What is garment design
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5. Man made fibres :part 2# nylon, polyester ,acrylic
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6. What is printing? types of printing:Hand and modern printing
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7. Types of printing:block roller, transfer,batik, digital printing
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<https://youtu.be/Ps:hY1BwZd4>
9. Textile Fibre Properties and Definition of Textile
<https://youtu.be/NC7Hlk8cV84>
10. Physical and Chemical Properties of Cotton II Ginning and Harvesting of Cotton
<https://youtu.be/XcCSOEGt8YU>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods::

Maximum Marks: 25

Continuous Comprehensive Evaluation(CCE): Not Applicable

University Exam (UE): 25

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

Class Test
Assignment/Presentation

Not Applicable

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की मीटिंग गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्रा, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- अध्यक्ष,
डॉ. बबीता दुबे	- प्रतिनिधि, उच्च शिक्षा विभाग, नया रायपुर
डॉ. भारती सेठी, डॉ. खूबचंद बघेल शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग	- सदस्य
डॉ. संध्या वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर	- सदस्य
डॉ. संध्या मदन मोहन, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई, एवं अध्यक्ष, अध्ययन मण्डल, हेमचंद यादव विश्वविद्यालय	- सदस्य
डॉ. रश्मि मिंज, दूधधारी महिला महावि. रायपुर	- सदस्य
डॉ. अल्का दुग्गल, वामन राय पाटनकर महिला महावि, दुर्ग	- सदस्य
डॉ. निशा श्रीवास्तव, होलीकास महिला महावि. अर्बिकापुर	- सदस्य
डॉ. शिप्रा बनर्जी, दूधधारी महिला महावि. रायपुर	- सदस्य
श्रीमती ममता आर. देव, शासकीय कमलादेवी राठी महिला स्नातको. महावि. राजनांदगांव छ.ग.	- सदस्य
सुश्री सुषमा घई, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. दीपाली राव, शासकीय घनश्याम सिंह गुप्त स्नातको. महावि, बालोद	- सदस्य
डॉ. अर्चना दीक्षित, शासकीय बिलासा कन्या महाविद्यालय, बिलासपुर	- सदस्य
डॉ. शोभा महिस्वर, शासकीय माता शबरी महावि. बिलासपुर	- सदस्य

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे,

