DIPLOMA IN HOME SCIENCE

I - SEMESTER

General Time Schedule

Periods Format

Sl No	Course Code	Course Name	Teaching Scheme					Examination Scheme						
			instruction periods per week			Total Periods per semester	Credits	Continuous internal evaluation			Semester end examination			
			L	T	P			mid sem1	mid sem 2	internal evaluation	Max Marks Min Marks		total marks	Min marks for Passing including internal
1	18HS-101F	BASIC ENGLISH	3	1	0	60	3	20	20	20	40	14	100	35
2	18HS-102F	NUTRITION	3	1	0	60	3	20	20	20	40	14	100	35
3	18HS-103F	TEXTILE SCIENCE	3	1	0	60	3	20	20	20	40	14	100	35
4	18HS-104F	PRINCIPLES OF CHILD DEVELOPMENT	3	1	0	60	3	20	20	20	40	14	100	35
5	18HS-105C	HEALTH AND BEAUTY CARE	**3**	1	0	60	3	20	20	20	40	14	100	35
6	18HS-106D	FOOD SCIENCE LAB PRACTICE	1	0	2	45	1.5	20	20	20	40	20	100	50
7	18HS-107L	DRAWING, PAINTING AND SCULPTURE LAB PRACTICE.	1	0	2	45	1.5	20	20	20	40	20	100	50
8	18HS-108L	BASIC STICHES AND SEWING SKILLS LAB PRACTICE	1	0	2	45	1.5	20	20	20	40	20	100	50
9	18HS-109L-A+B	BEAUTY CLINIC LAB PRACTICE	1	0	2	45	1.5	20	20	20	40	20	100	50
10	18HS-110	COMPUTER FUNDAMENTALS LAB PRACTICE	1	0	2	45	1.5	20	20	20	40	20	100	50
11		SKILL UPGRADATION	0	0	7	105	2.5	0	0	Seminars, PPT Presentations			--	-
			20	5	17	630	**25**	200	200	200	400	170	1000	425
11	Activities: student performance is to be assessed through Seminars.													

Department of Technical Education

State Board of Technical Education & Training, Telangana

Course Title :Basic English	**Course Code : 18HS-101F**
Semester : I	**Course Group : Foundation**
Teaching Scheme in Periods (L:T:P:) : 36:24:0	**Credits : 3**
Type of Course : Communicative Language Teaching + Assignments	**Total Contact Hours : 60 periods**
CIE : 60 % Weightage	**SEE : 40 % Weightage**

Prerequisites: Basic knowledge of English Language

COURSE OUTCOMES

	At the end of the course the students will have the ability to:
101.1	acquire vocabulary for social interaction
101.2	listen and reciprocate appropriately
101.3	analyse and evaluate the written material
101.4	convey ideas in the form of letters
101.5	express feelings and make requests
101.6	speak and write grammatically correct sentences

CO-PO Matrix

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	Mapping POs
101.1	2	1	1	-	-	2	-	3	3	3	1,2,3,6,8,9,10
101.2	2	2	--	2	--	2	--	3	3	3	1,2,4,6,8,9,10
101.3	2	2	--	--	1	1	2	3	3	3	1,2,5,6,7,8,9,10
101.4	2	2	2	--	2	1	2	3	3	3	1,2,3,5,6,7,8,9,10
101.5	2	2	--	--	2	--	2	3	3	3	1,2,5,6,7,8,9,10
101.6	2	2	--	--	--	--	--	3	3	3	1,2,8,9,10

COURSE CONTENT AND BLUE PRINT OF MARKS FOR SEE

S.No	Unit Name	Period	Questions to be set for SEE			Marks Weightage	Weightage %
			R	U	A		
1	Speaking	8	3	1	0	11	10.00%
2	Listening	3	2	0	0	4	3.63%
3	Vocabulary	5	2	1	0	9	8.18%
4	Reading	6	0	2	0	10	9.09 %
5	Grammar	14	3	1	1	21	19.09%
6	Writing	24	0	1	5	55	50.00%
	Total	60	10	6	6	110 marks	100

Legend: R; Remembering, U: Understanding A: Applying

COURSE CONTENTS

UNIT – 1 SPEAKING **Duration: 8 Periods**

1. Need For English
2. Classroom English
3. Expressing Feelings
4. Expressing Likes & Dislikes
5. Making Requests

UNIT - 2: LISTENING **Duration: 3 Periods**

6. Describing Words

UNIT –3: VOCABULARY **Duration: 5 Periods** 7. How to use a Dictionary

8 Words Often Confused

UNIT - 4: READING **Duration: 6 Periods**

9 The Mighty Mountain and Little Lads of Telangana

10 The Adventures of Toto

11 Tiller turns Engineer - An Innovation

UNIT -5: GRAMMAR **Duration: 14 Periods**

12. Tenses
13. Basic Sentence Structures
14. Voice
15. Asking Questions

UNIT- 6: WRITING **Duration: 24 Periods**

16. Paragraph Writing - I
17. Paragraph Writing - II
18. Letter Writing – I
19. Letter Writing – II

Suggested Learning Outcomes:

On completion of the course the students will be able to:

- express feelings, likes and dislikes and make requests
- use describing words, dictionary and distinguish confusing words.
- read, comprehend and answer the questions
- use appropriate tenses, voices, structures and ask questions
- write paragraphs and letters.
- communicate fluently

Internal evaluation

Test	Units	Marks	Pattern
Mid Sem 1	Speaking: 1,3 Listening: 0 Vocabulary:7 Reading:9 Grammar:12,15	20	Part A 5 Short answer questions Part B 2 Essay questions out of 3 Questions Part C 2 Essay questions out of 3 Questions
Mid Sem 2	Speaking: 2,4,5 Listening: 6 Vocabulary:8 Reading:10,11 Grammar:13,14	20	Part A 5 Short answer questions Part B 2 Essay questions out of 4 Questions Part C 2 Essay questions out of 3 Questions
Slip Test 1	Speaking: 1,3 Listening: 0 Vocabulary:7 Reading:9 Grammar:12,15	5	2 Essay Questions out of 3 Questions
Slip Test 2	Speaking: 2,4,5 Listening: 6 Vocabulary:8 Reading:10,11 Grammar:13,14	5	2 Essay Questions out of 3 Questions
Assignment	One assignment per one semester	5	Different group assignments of Higher order Questions that develop problem solving skills and critical thinking should be given
Seminars	One seminar per one semester	5	
	Total	60	

Suggested Student Activities

- Listen to a song and answer the questions
- Listen to a passage/conversations/dialogues/speeches and answer the questions
- Role Plays
- Quiz
- Self introduction
- Talking about routines
- Debates
- Elocution
- Selling a product with appropriate vocabulary
- Reading a selected text/news paper for specific purpose
- Using a dictionary
- Reading aloud with proper pronunciation and intonation
- Writing about routines
- Describing people
- Describing places
- Creating Advertisements
- Writing short messages
- Writing a recipe/process

- Interpreting advertisements/classified
- How to use google translate
- Surprise test
- Vocabulary games**:**
    - Cross words
    - Guessing the missing letter
    - Dumb charades

Textbook: English for Polytechnics

REFERENCES:

1. Practical English Grammar by A.J Thomson and A.V. Martinet
2. A Course in Phonetics and Spoken English by J. Sethi and P.V Dhamija
3. Word Power Made Easy by Norman Lewis
4. Games for Language Learning by Andrew Wright, David Betteridge and Michael Buckby
5. Five Minute Activities by Penny Ur
6. Englsh Dialogues by M. Martin

e-learning:

1.www.duolingo.com

2. www.bbc.co.uk

3. www.babbel.com

4. www.merriam-webster.com

5. www.ello.org

6. www.lang-8.com

7. youtube.com

8. Hello English(app)

9. mooc.org

10. https://onlinecourses.nptel.ac.in

Semester End Examination marks distribution

	Short answer	Essay	Marks
Part A	10	0	20
Part B	0	4/6	20
Part C	0	4/6	40
Total	10	8/12	80

Note: Semester end examination will be conducted for 80 marks but will be calculated for 40 marks.

Model Paper for SEE

BOARD DIPLOMA EXAMINATION, (C-18)

SECOND SEMESTER, 18 COMMON -204F

(SEMESTER END EXAM)

CHEMISTRY AND ENVIRONMENTAL STUDIES

Time :**3**Hrs Total Marks : 80Marks

PART-A

Answer **all** questions, each carries **two** marks 10 X 2 =20

1. Write any four characteristics of metals.
2. Define ore and mineral.
3. Define corrosion.
4. Define addition polmerization.
5. Define elastomer. Give an example?
6. Define calorific value.
7. Define galvanic cell.
8. Define emf.
9. Define primary pollutant. Give example.
10. Define water pollution.

PART-B

GROUP-1 Answer any TWO questions 2 x 5=10

11. Write about roasting and calcination.
12. Explain the mechanism of rusting.
13. Write any five advantages of plastics .

GROUP-2 Answer any TWO questions 2 x 5 = 10

14. Write any five characteristics of good fuel.
15. Distinguish electrolytic cells from galvanic cells.
16. Write any five effects of air pollution on human beings.

PART-C

GROUP-1 Answer any TWO questions 2 x 10 = 20

17. (a) Explain the process of concentration of sulphide ore by froth flotation process.

    (b) Explain the impressed voltage method of protecting metal from corrosion.

18. (a) Write the preparation method and uses of nylon 6,6 and polyester.

(b) Calculate the volume of oxygen required at STP for complete combustion of one mole of methane.

19. (a) Explain the significance of electro chemical series .

(b) Calculate the emf of the following cell if the standard reduction potentials of Zn and Cu are -0.76 V and +0.34 V respectively.

$Zn \mid Zn^{2+} \mid\mid Cu^{2+} \mid Cu$

GROUP-2 **Answer any TWO questions** **2 x 10 = 20**

20. (a) Explain about the working and applications of Ni-Cd cell.

(b) Explain about the working of Hydrogen- Oxygen fuel cell and its advantages.

21. (a) Write a brief note on acid rain.

(b). Write about the role of Cottrell electrostatic precipitator and Zoning of industries in controlling air pollution

22. (a) Write any four effects of water pollution.

. (b) Explain any three methods of controlling water pollution.

Mid Sem Examination marks distribution

	Short answer	Essay	Marks
Part A	5	0	10
Part B	0	2/3	10
Part C	0	2/3	20
Total	5	4/6	40

Note: Mid sem examinations will be conducted for 40 marks but will be calculated for 20 marks.

State Board Of Technical Education
Basic English
18Common-101F
First Semester
Mid Sem -1 Model Paper

Time: 1 hour 30 minutes **Marks : 40**

PART-A

Instructions: 5 X 2 =10 marks

Answer all questions

Each question carries 2 marks

1. How do you feel in the following situations.
   a) You watched your favourite hero's movie.
   b) You stood first in the exam.
   .
2. Fill in the blanks with appropriate verb forms
   a) She ____(go) to her village every year.
   b) He _____(see) the Tajmahal in 2017.
3. Fill in the blanks with appropriate verb forms
   a) I _____(sing) for the last 10 years.
   b) He ____(travels) to the U.S.A. next week.
4. Rewrite the following as yes or no questions
   a) They wrote the exams.
   b) The train is late.
5. Write any 4 ways a dictionary can be used to improve language skills.

PART-B

Instructions: ***2*** X 5 =10 marks

Answer all questions

Each question carries 5 marks

6. What are the problems you faced in learning English?
7. Write a few suggestions to improve one's English.
8. How do you locate a word in a dictionary?

PART-C

Instructions: ***2*** X 10 =20 marks

Answer all questions

Each question carries 10 marks

9. Frame 10 wh questions for the given passage

Subhas Chandra Bose was born on 23 January 1897 in Cuttack, Orissa. He studied in Cuttack and then moved to Presidency College in Calcutta for further studies. He did his B.A. in Philosophy and went to England to appear for the Civil Services examination.He returned to India and started a newspaper called Swaraj. His mentor Chittaranjan Das was active and open in his criticism of British rule.Bose followed his footsteps and was arrested and sent to prison in Mandalay. He joined the Indian National Congress. Later he parted ways with the Congress. He revived the Indian National Army.

10. Read the passage given and answer the questions

It was way back in 1972 that NASA began developing a space shuttle that could launch like a rocket but fly and land like an airplane—a unique transportation system for deploying satellites and payloads into outer space. It was indeed a technological wonder as it was reusable unlike the earlier , one shot disposable rockets, which were used to place astronauts and equipment into the Earth's orbit. Basically , a space shuttle consists of an orbiter that carries astronauts and payload attached to solid rocket boosters and an external fuel tank.To lift the space shuttle , weighing about 2 million kg, from the launch pad to its orbit that is about 185 to 643 km above the Earth , the shuttle uses two poweful solid rocket boosters, which provide a thrust of about 11.7 million N. In addition the SRB's support the entire weight of the space shuttle orbiter and fuel tank on the launch pad.

a) Why is the space shuttle unique?
b) What are the parts of the space shuttle?
c) What are the functions of the solid rocket boosters?
d) What is the space shuttle used for?
e) Find one word in the passage that means throw away after use.

11. Write 10 sentences in the present continuous verb form describing what is going on around you as you write your exam.

State Board Of Technical Education
Basic English
C-18-Common-101F First Semester
Mid Sem –II
Model Paper

Time: 1 hour 30 minutes **Marks : 40**

PART-A

Instructions: 5 X 2 =10 marks

Answer all questions
Each question carries 2 marks

1. Write any four expressions used by teachers in the classroom.
2. Select appropriate words and fill in the blanks
   a) I am too _____ (weak/week) to do the work.
   b) She did not____ (except/accept)the award.
3. Write any four things that you like about your college.
4. Rewrite the following sentences as requests
   a) Give me your phone
   b) Buy me a cup of coffee
5. Write two sentences each in the given structure
   a) S.V.O.
   b) S.V.IO.DO.

PART—B

Instructions: 2 X5=10 marks

Answer any 2 questions.

Each question carries 5 marks

6. Change the voice for the following sentences.
   a) He is writing the exam.
   b) She has won the award.
   c) They were told a story by the teacher.
   d) She likes sweets.
   e) He was caught by the police.
7. Identify the structure of the given sentences
   a) Birds fly.
   b) I gave her a book.
   c) She ate an apple.
   d) They made him the class leader.
   e) She is beautiful.
8. Write any ten expressions used by students in the classroom.

PART –C

Instructions: 2 X 10 = 20 marks

Answer any 2 questions

Each question carries 10 marks

9. Read the given passage and answer the questions given:

Subhash Chandra Bose was born on 23 January 1897 in Cuttack, Orissa. He studied in Cuttack and then moved to Presidency College in Calcutta for further studies. He did his B.A. in Philosophy and went to England to appear for the Civil Services examination Although he did well in the exam he soon resigned from the services because it meant working against the interests of his country. .He returned to India and started a newspaper called Swaraj. His mentor Chittaranjan Das was active and open in his criticism of British rule. Bose followed his footsteps and was arrested and sent to prison in Mandalay. He joined the Indian National Congress. Later he parted ways with the Congress. He revived the Indian National Army. He is believed to have coined the slogan Jai Hind.

a) Why did Bose go to England?

a) What was Chittaranjan Das's attitude towards the British?
b) How did Bose fight against the British??
c) Why did Bose resign from the Civil Services?
d) Pick the word from the passage which means trusted advisor or guide.

10. Describe your friend using appropriate descriptive words. Also write three things you like and three things that you dislike in him/ her.

11. Identify 10 words of description from the passage.

On hot summer nights, Julio and the other boys sleep out in the yard. They put up a tent in a dark corner, where the trees and the bushes are thick. that way the boys can easily imagine they are in wild , uninhabited country. One evening Mike suggested that they tell ghost stories or tales of bear hunts. After a particularly spine- tingling story, Mike couldn't sleep; he was too nervous. About midnight he saw something move in the shadows." Yeow ! " he cried out. " There is a big bear! It is really huge!" In the sudden confusion , the small tent collapsed on top of the boys; each one seemed eager to go in a different direction . Anxious parents ran out of the nearby house. They found a coal-black dog. Like a bear , this animal was very curious.

DEPARTMENT OF TECHNICAL EDUCATION

STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **NUTRITION**	Course Code: 18D**HS-102F**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for **SEE DHS NUTRITION 18DHS- 102 F**
Legend: R: Remembering, U: Understanding A: Applying

COURSE CONTENT:

Unit No	Unit name	Hours/ Periods	Questions for SEE			Marks weightage	%Weightage
			R	U	A		
1.	Introduction to Nutrition	**04**					
2.	Carbohydrates and Energy	**14**					
3.	Proteins	**12**					
4.	Lipids(Fats)	**10**					
5.	Vitamins	**10**					
6.	Minerals and Water	**10**					
	Total	**60**					

COURSE OUT COME		CL	Linked PO	Teaching Hours
CO1	**Define the terminology in Nutrition**	R/U/A	**1,2,5**	04
CO2	**Identify the factors affecting Basal Metabolic Rate and metabolism of carbohydrates.**	R/U/A	**2**	14
CO3	**Explain the functions of Proteins, Protein Energy Malnutrition, Metabolism of Proteins.**	R/U/A	**2,5,10**	12
CO4	**Explain the functions, metabolism of Lipids and deficiency or excess intake of lipids.**	R/U/A	**2**	10
CO5	**Explain the functions and effects of deficiency of Fat soluble and Water soluble Vitamins.**	R/U/A	**2,5,10**	10
CO6	**Discuss the functions of Minerals, Role of Sodium and Potassium in Acid Base balance and water intake /loss from the body.**	R/U/A	**2**	10

UNIT 1 **Duration: Periods-04**

INTRODUCTION TO NUTRITION: Definition of the terms Food, Nutrition, Nutrients, Health, Diet, Nutrient requirement, **RDA**, Adequate Nutrition, Optimum Nutrition, Nutritional Status, Malnutrition (Under Nutrition and Over Nutrition), Dietary Supplement, Enrichment, Complementation, Supplementation. Metabolism, Glycolysis, Glycogenesis, Glycogenolysis, Gluconeogenesis, Ketone bodies, Ketosis and Ketonuria. Functions of Foods and Nutrients.

UNIT 2 **Duration: Periods-14**

CARBOHYDRATES AND ENERGY: Carbohydrates-Definition, Composition, Functions, Requirements and Sources. **Energy**- Definitions, Basal metabolic rate **(BMR)**, Factors affecting **BMR,** Specific Dynamic Action, Kilo Calorie definitions. Digestion, Absorption and Metabolism. Effect of deficiency or excess intake of carbohydrates, Protein energy malnutrition.

UNIT 3 **Duration: Periods-12**

PROTEINS: Definition, Classification of Proteins on the basis of Compositional-Physical and Chemical, Simple, Conjugated and Derived proteins. Nutritional properties- Presence of Essential and Non-essential amino acids. Presence of Essential and Non-essential amino acids- Complete, Partially Complete and Incomplete Proteins. Functions, Requirements, Sources, Deficiency, Digestion, Absorption and Metabolism.

UNIT 4 **Duration: Periods-10**

LIPIDS (Fats): Definition, Composition, Properties, Classification of lipids-Simple lipids, Compound lipids, Waxes and Derived lipids. Classification of Fatty acids-Saturated and Unsaturated fatty acids. Functions, Requirements, Sources, Deficiency of Excess of lipids, Digestion, Absorption and Metabolism.

UNIT 5 **Duration: Periods-10**

VITAMINS: Definition, Classification of fat-soluble vitamins A, D, E and K and Water-soluble vitamins-B-complex (Thiamine, Niacin Riboflavin, pyridoxine, Pantothenic Acid, B-12, Choline, Biotin, Para-amino benzoic acid, Vitamin C-Their functions, requirements, Sources and effects of deficiency. Thiamine, Riboflavin, Niacin and Vitamin C.

UNIT 6 **Duration: Periods-10**

MINERALS AND WATER: Minerals- Classification -Sodium and Potassium- their functions, Requirements, Food Sources and effects of deficiency. **Water-**composition, sources, functions, of water, normal losses, water balance in a healthy adult. Problems of Dehydration Oedema, electrolytes, Acid base balance. pH, reaction of foods, regulation of acid base balance and Disturbance in Acid base balance and daily requirement of water.

REFERENCE BOOKS:

1. B. Srilakshmi, 2007 **Food Science 4 th Edition**, New Age International (P). Publishers, New Delhi.
2. B. Srilakshmi, 2006 **Dietetics - 4 th Edition,** New Age International (P) Limited. Publishers, New Delhi.
3. Thangam Philip 2005 **Modern cookery for teaching and the trade, Volume 1,** Orient Longman (P) Limited, Chennai.
4. Premlata mullick, 2012 **Text Book of Home Science, 3rd edition,** Kalyani Publishers, New Delhi.

NUTRITION 18HS-102F

MODEL PAPER

MID SEM I EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all five questions.

(ii) Each question carries 02 marks.

1) Define the terms Supplementation .
2) What are Ketone bodies.
3) Classify carbohydrates.Give Examples.
4) Mention the Composition of Carbohydrates.
5) Define Nutrition.

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 05 marks.

6) Mention the Requirements and sources of Carbohydrates.
7) What is the effect of deficiency or excess intake of carbohydrates?
8) Distinguish between under Nutrition and over Nutrition.

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 10 marks.

9) Explain the Factors affecting Basal Metabolic Rate.
10) Explain the Functions of Foods And Nutrients.
11) Explain the Function of Carbohydrates.

NUTRITION 18HS-102F

MODEL PAPER

MID SEM II EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all Five questions.

(ii) Each question carries 02 marks.

1) What are Essential Amino acids?
2) List the Sources of Proteins.
3) What are unsaturated Fatty acids?
4) Define Waxes.
5) What are Simple Lipids?

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries 05 marks.

6) Write briefly about Protein Energy Malnutrition.
7) Explain any five function of proteins.
8) Classify Fatty acids. Give examples.

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries Ten marks.

9) Describe the deficiency disease Kwashiorkor.
10) Discuss the Properties of Lipids.
11) Explain the digestion and absorption of Lipids.

NUTRITION 18HS-102F

MODEL PAPER

END EXAMINATION PATTERN

Duration : 03 Hour. Total Marks: 80.

PART-A **Marks: 10 x 2 = 20.**

Note: (i) Answer all ten questions. **(ii) Each question carries 02 marks.**

1) Define the terms Glycogenolysis .
2) Define the term Specific Dynamic Action.
3) Mention the requirement of carbohydrates.
4) Define Protein Energy Malnutrition?
5) Define the terms Lipids.
6) List the fat soluble and water soluble Vitamins.
7) What is Ocdema.
8) List the Sources of Iniamin.
9) State the water intake and loss from the body.
10) List any four functions of Vitamins.

PART-B

GROUP-1 Answer any TWO questions **2 x 5 = 10**

11) Explain the function of Carbohydrates.
12) Describe the deficiency disease Marasmus.
13) Explain Classification of lipids with examples?

GROUP-2 Answer any TWO questions **2 x 5 = 10**

14) Explain the Functions, requirement and sources of Thiamin.
15) Discuss the sources and effects of deficiency of Iodine.
16) Explain about Electrolytes.

PART-C

GROUP-1 Answer any TWO questions **2 x 10 = 20**

17) Describe the metabolism of carbohydrates.
18) Explain the function of proteins.
19) Discuss in details the properties of Lipids.

GROUP-2 Answer any TWO questions **2 x 10 = 20**

20) Explain the function and effects of deficiency of vitamin C in the body.
21) Describe the requirements and effects of deficiency of calcium in the body.
22) Write Short notes on-

(a) Function and Sources of water .

(b) Composition and daily requirement of water.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **TEXTILE SCIENCE**	Course Code: 18**HS-103F**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **TEXTILE SCIENCE** 18DHS-103 F
Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Unit Name**	**Periods**	**Questions to be set for SEE**			**Marks Weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Classification of Textile Fibers	**10**					
02	Identification of Textile Fibers	**10**					
03	Weaves	**10**					
04	Water	**10**					
05	Stiffening Agents	**10**					
06	Fabric Finishes	**10**					
	Total	**60**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	**Discuss the classification and Properties of Textile fibers.**	**R/U/A**	**1,2**	**10**
CO2	**Identify the different Textile fibers.**	**R/U/A**	**2**	**10**
CO3	**Explain the different types of weaves and weaving process.**	**R/U/A**	**2,10**	**10**
CO4	**Distinguish the types of water and method of removal of hardness for laundry purpose**	**R/U/A**	**2**	**10**
CO5	**Categorize the various types of stiffening agents and their preparation.**	**R/U/A**	**2,5,10**	**10**
CO6	**Distinguish the classification of fabric finishes, finishing process and special finishes.**	**R/U/A**	**2**	**10**

COURSE CONTENT:

UNIT 1 **Duration: Periods-10**

CLASSIFICATION OF TEXTILE FIBRES: Define the term textiles, fiber, staple, filament and yarn - multifilament, monofilament fibers. Classification of Textile fibers-Vegetable, Animal, Mineral and Synthetic Fibers. Physical, Chemical and other properties of Cotton,

Silk, wool, Nylon, Rayon and Polyester. Types of yarns-Simple yarn, Complex yarn and Textured yarns.

UNIT 2 **Duration: Periods-10**

IDENTIFICATION OF TEXTILE FIBRES: Physical, Visual, Burning, Chemical and Microscopic tests of Cotton, Silk, Wool, Nylon, Rayon and Polyester.

UNIT 3 **Duration: Periods-10**

WEAVES: Define weaving, Warp and Weft yarns, parts and functions of Loom with illustrations, weaving process, Balance of cloth and Thread count. Kinds of Weaves- Plain weave and its variations, Twill weave, Herring bone weave, Satin and Sateen weave.

UNIT 4 **Duration: Periods-10**

WATER: Types of water, definition of Hard and Soft water, causes and disadvantages of water hardness, removal of hardness-by Boiling, use of Caustic soda, Ammonia and Borax.

UNIT 5 **Duration: Periods-10**

STIFFENING AGENTS: Various kinds of stiffening agents and its importance. Preparation of boiling water starch, Coldwater starch, gum water and tips for starching.

UNIT6 **Duration: Periods-10**

FABRIC FINISHES: Definition of Finish of the fabric, major differences between unfinished and finished fabrics, Importance of fabric finish, Classification of fabric finishes-**Functional**-Basic and functional, **Performances**-Temporary, Semi durable, Durable and Permanent finish, **Chemical(wet) and Mechanical (dry)** fabric finish,

Finishing process and special purpose finishes- Sanfrozation (Pre shrinking).

REFERENCEBOOKS:

1.DurgaDeulkar: **Household textiles and laundry work.**
Atmaram & sons. Kashmirgate Delhi,1998.

2. Susheela Dantiyagi **Fundamentals of textiles and their care.**
Orient Longman ltd., New Delhi1984-1987.

3. Sushma Gupta and Neeru Garg **A Textbook of Homescience.**
Kalyani publications,Year1994.

4. SushmaGupta,Neerugarg**,** **A textbook of Clothing and Textiles,**
Renu Saini Kalyani publications, Year1995.

5. A.M.Kaye: **A student'shandbook of house wifery**.
Kalyani publications,Year 1989.

6. Premlata Mullick **Textbook of Home Science**,
Kalyani Publishers,Year2004.

TEXTILE SCIENCE 18HS-103F

MODEL PAPER

MID SEM I EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all ten questions.

(ii) Each question carries 02 marks.

1) Define the terms Staples .
2) Define the terms Filament.
3) Draw the microscopic diagram of Cotton Fibre.
4) What is the Characteristics burning smell of Silks and Nylon Fibre.
5) List any two examples of Animal and Synthetic Fibres.

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 05 marks.

6) Explain Burning and Chemical test of wool Fibre.
7) Explain the types of Yarns.
8) Write briefly the physical and chemical properties of Silks Fibre.

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 10 marks.

9) Explain the Classification of Textile Fibre with examples.
10) Explain the Methods of identification of Cotton Fibre.
11) Discuss the Physical and Chemical Properties of Wool Fibre.

TEXTILE SCIENCE 18HS-103F

MODEL PAPER

MID SEM II EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all Five questions.

(ii) Each question carries 02 marks.

1) What are Warp Yarns .
2) List the parts of the Loom.
3) List the types of Water.
4) State the causes of Hardness in Water.
5) List the Plain Weave Variations.

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 05 marks.

6) Explain therring Bone Weaves.
7) Write briefly on kinds of Weaves.
8) What are the disadvantages of water hardness?

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries Ten marks.

9) Explain the removal of hardness in water for Laundry Purpose by use of Caustic Soda.
10) Explain the Function of Loom with Illustrations.
11) Explain the Weaving Process.

TEXTILE SCIENCE 18HS-103F

MODEL PAPER

END EXAMINATION PATTERN

Duration : 03 Hour. Total Marks: 80.

PART-A **Marks: 10 x 2 = 20.**

Note: (i) Answer all ten questions.

1) Define the terms weaving.
2) Define the term Textiles.
3) Draw the microscopic appearance of polyester fibre.
4) What are Weft Yarns?
5) Define Soft Water.
6) List the Various Kinds of Stiffening agents.
7) Define a Finish.
8) List the tips for starching.
9) Define the terms Sanforization.
10) List the importance of Fabric Furnish.

PART-B

GROUP-1 **Answer any TWO questions** **2 x 5 = 10**

11) Explain the method of removing hardness in water by use of Borax.
12) Explain the physical and chemical test for slik fibre.
13) Explain the balance of cloth and thread count?

GROUP-2 **Answer any TWO questions** **2 x 5 = 10**

14) Explain the preparation of cold water starch.
15) Explain the finishing process on fabric.
16) Explain the Classification of fabric finishes.

PART-C

GROUP-1 **Answer any TWO questions** **2 x 10= 20**

17) Explain the Physical and Chemical properties of Nylon, Royon and Polyester.
18) Explain the Physical, Burning Chemical and Microscopic tests for cotton Fibre.
19) Explain the satin Weaves and sateen weave.

GROUP-2 **Answer any TWO questions** **2 x10 = 20**

20) Discuss the various kinds of stiffening agents and write their importance.
21) Explain the finishing processes on fabric.
22) Explain the importance and classification of fabric finishes.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **PRINCIPLES OF CHILD DEVELOPMENT**	Course Code: 18 **HS-104F**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **PRINCIPLES OF CHILD DEVELOPMENT** 18DHS-104C
Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Unit Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Introduction to Child Development	**08**					
02	Principles of Growth & Development	**08**					
03	Learning, Maturation, Heredity and Environment	**12**					
04	Pre-natal Development	**10**					
05	Importance of Health and immunization	**10**					
06	Special Children	**12**					
	Total	**60**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Discuss the need, Importance and methods of understanding the children.	R/U/A	1,2	08
CO2	Explain the general principles and factors effecting growth and development.	R/U/A	2	08
CO3	Explain about maturation, Learning and role of Heredity and environment in the developmental behavior of the child.	R/U/A	2,10	12
CO4	Explain signs, complications during pregnancy, characteristics and care of the Newborn.	R/U/A	2	10
CO5	Explain the importance of Health and safety of children, immunization and safety of the children	R/U/A	2,5,10	10
CO6	Explain the different types of disabilities in special children.	R/U/A	2	12

COURSE CONTENT:

UNIT 1 **Duration: Periods-08**

INTRODUCTION TO CHILD DEVELOPMENT: Definition, Need and Importance, Scope of child development, Contribution of child development to other disciplines. Methods of studying children-Observation, Case study, Questionnaire and Interview method.

UNIT 2 **Duration: Periods-08**

PRINCIPLES OF GROWTH AND DEVELOPMENT: Definition, difference between growth and development-General principles of growth and development – Factors affecting growth and development and stages of growth and development.

UNIT 3 **Duration: Periods-12**

MATURATION, LEARNING AND PERSONALITY DEVELOPMENT: Definition, principles of Maturation, functions process, theories and factors influencing Learning. Define Heredity and environment and role of heredity and environment in the development and behavior of the child.

UNIT 4 **Duration: Periods-10**

PRE-NATALDEVELOPMENT: Fertilization, **Signs of Pregnancy, Complications of pregnancy,** sex determination, Pre-natal Growth, Types of births, stages of birth, complications during labor, Birth injuries and birth defects. The characteristics of new born baby, and care of the new born. Define pre-maturity, Characteristics of Pre mature baby and the care of the Pre-mature baby.

UNIT 5 **Duration: Periods-10**

IMPORTANCE OF HEALTH AND IMMUNIZATION: Importance of health and safety of children. Symptoms, causes, prevention and care of Common cold, Fever, Cough, Malaria, Typhoid, Measles and Polio. Importance of immunization, Active and Passive immunity and Immunization Schedule.

UNIT 6 **Duration: Periods-12**

SPECIAL CHILDREN: Define Disability, different types of disability- Visual, Hearing, Mental, Intellectual and Learning disability.

REFERENCEBOOKS:

1. Rajammal P. Devadas and N.Jaya **A textbook on Child Development,** MacmillanLimited,Year1984.
2. ElizabethB.Hurlock **Developmental Psychology A life span approach**, TataMcGrewHillPublishingCompanyLtd.Year–1981.
3. KailasC.Panda **Elements of Child Development,** Kalyani Publishers, Year 1981.
4. A.PSrivastava. **The Educational Development Of your child–A guide,** The learning lab. S21/G21K. Block Saket, New Delhi110017.
5. Dr.Indu. bakshi, **Understanding children and their problems,** VakilrTeffer and series Ltd haguebuilding of road Ballard estate Mumbai.400001.
6. Premlatha Mullick **Text book of Home Science -3rd edition** Kalyani Publishers, Year 2012.

PRINCIPLES OF CHILD DEVELOPMENT 18HS- 104F

MODEL PAPER

MID SEM I EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all five questions.

(ii) Each question carries 02 marks.

1) Define Child Development.
2) List the methods of studying children.
3) Define the term Growth.
4) List the Various stages of Growth and Development.
5) Mention the need for Child Study.

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 05 marks.

6) Explain any observation methods of studying children.
7) Explain any five principal of Growth and Development?
8) Explain the scope of child development.

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 10 marks.

9) Explain the Contribution of child development to other disciplines.
10) Explain the factors affecting Growth & Development.
11) Explain the Various stages of Growth & development..

PRINCIPLES OF CHILD DEVELOPMENT 18HS- 104F

MODEL PAPER

MID SEM II EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all Five questions.

(ii) Each question carries 02 marks.

1) Define the terms Learning?
2) Define Heredity.
3) List the two factors influencing Learning?
4) List the signs of Pregancy .
5) Mention the Factors Influencing Learning?

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries 05 marks.

6) Explain the principal any 5 of Maturation.
7) Explain the Complication during Pregnancy.
8) Explain the care of the New born.

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries Ten marks.

9) Explain the theories of Learning.
10) Explain stages of Birth complications during Labour, Birth injuries and Birth defects.
11) Explain the process of Learning.

PRINCIPLES OF CHILD DEVELOPMENT 18HS- 104F

MODEL PAPER

END EXAMINATION PATTERN

Duration : 03 Hour. Total Marks: 80.

PART-A **Marks: 10 x 2 = 20.**

Note: (i) Answer all ten questions.

1) Mention any two points in the importance of child study. (Chapter-I)
2) List any two Characteristics of case study method. (Chapter-I)
3) Differentiate between Growth and Development (2 Points). (Chapter-II)
4) Define the term Environment? (Chapter-III)
5) List signs of pregnancy. (Chapter-IV)
6) List the Symptoms of common cold. (Chapter-V)
7) Define Passive Immunity. (Chapter-V)
8) Define Disability. (Chapter-VI)
9) What is Learning disability? (Chapter-VI)
10) Mention the importance of Immunization. (Chapter-V)

PART-B

GROUP-1 **Answer any TWO questions** **2 x 5 = 10**

11) Explain the Scope of Child Development.
12) Explain the Characteristics of questionnaire method.
13) Explain any two principles of Growth and Development?

GROUP-2 **Answer any TWO questions** **2 x 5 = 10**

14) Explain the method of sex determination.
15) Explain the causes prevention and case of Measles.
16) Explain about Mental disabilities.

PART-C

GROUP-1 **Answer any TWO questions** **2 x 10 = 20**

17) Explain the method of studying children.
18) Explain the various stages of Growth and Development.
19) Explain the role of heredity in the development of Behaviour of the child.

GROUP-2 **Answer any TWO questions** **2 x 10 = 20**

20) Explain the complications during pregnancy.
21) Explain about active and passive immunity.
22) Explain about Visual & hearing disabilities

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DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **HEALTH AND BEAUTY CARE**	Course Code: 18 **HS-105F**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **PRINCIPLES OF CHILD DEVELOPMENT** 18DHS-104C

Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Unit Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	**Basic Health , Safety And Personal Hygiene**	**08**					
02	**Importance of Exercise, Yoga and Beauty Care.**	**08**					
03	**Importance of Health & Role of Diet**	**08**					
04	**Skin Care & Nail Care**	**12**					
05	**Make-up , Hair and Scalp care.**	**12**					
06	**Importance and preparation of Cosmetics in Beauty Care.**	**12**					
	Total	**60**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Discuss the Importance of Personal Hygiene	R/U/A	1,2	08
CO2	Explain the Importance of Exercise, Yoga and Beauty care	R/U/A	2	08
CO3	Explain the importance of Health and Role of Diet	R/U/A	2,10	12
CO4	Discuss about Skin care and Nail care	R/U/A	2	10
CO5	Explain the importance of Make up , Hair and Scalp Care	R/U/A	2,5,10	10
CO6	Discuss the Preparation of Cosmetics in Beauty care	R/U/A	2	12

COURSE CONTENT:

UNIT 1 **Duration: Periods-08**

Basic Health , Safety And Personal Hygiene – Define personal hygiene **,**Importance of Personal hygiene ,

Hygiene -Care of skin, hair, eyes, mouth, teeth, and nails, Basic hygiene standards- procedures for safety and cleanliness .

UNIT 2 **Duration: Periods-08**

Importance of Exercise, Yoga and Beauty Care.- Difference between yoga and

exercise. Types of exercises and yoga. Role of exercise and yoga in health

care. Care of facial skin– Facial wrinkles,

marks and Spots of Face, Unwanted Facial Hair and Pimple Treatment.

UNIT 3 **Duration: Periods-12**

Importance of Health And Role of Diet:

Definition and importance of health. Definition and importance of balance diet and role of diet in health care- Recommended diets for under weight and over weight persons

UNIT 4 **Duration: Periods-10**

Skin Care & Nail Care

Structure and functions of skin and importance of

Skin Care. Effects of diet and Sun rays on the skin. Importance and use of

moisturizers. Nail care- Nail formation and growth – Nail damage and

it's precautions Cosmetics for nails. Common nail problems, manicure and pedicure massage techniques and equipment used - Nail art .

UNIT 5 **Duration: Periods-10**

Make-up ,Hair and Scalp care.

The role of dressing in beauty – selecting and choosing cosmetics foe make up –

Preparation of face for makeup and application of makeup for eyes , face, eyebrows, lips ,skin tones and wrinkles- special make up techniques- day make up, evening make up and bridal make up. Types of Hair, Hair care , scalp massage-selection of oil – causes for Hair loss – reasons for grey Hair and Dandruff

Hair dyeing- hair coloring and its types – selection and precautions during Hair coloring – application of Henna and Dye – Hair styles

UNIT 6 **Duration:**

Periods-12

Importance and preparation of Cosmetics in Beauty

Care.

Importance and Selection of cosmetics-Use of cosmetics with respect to the skin texture-

Natural and Synthetic.

Preparation of various natural cosmetics.

REFERENCEBOOKS:

1. Shahanaz Hussain Beauty Book.

2. Chho Der Beauty & Body book.

3. Kitty carpion Herbal Beauty.

HEALTH AND BEAUTY CARE 18HS- 105F

MODEL PAPER

MID SEM I EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all five questions.

(ii) Each question carries 02 marks.

1) Define personal hygiene. (chapter I)
2) List the types of yoga. (chapter II)
3) Write two differences between yoga and exercise.(chapter II)
4) What are facial wrinkles?(chapter II)
5) List any two points in care of teeth(chapter I)

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 05 marks.

6) Write the importance of personal hygiene(chapter I)
7) How do you take care of yours eyes? Discuss (Chapter II)
8) Explain about facial wrinkles, marks and spots of face.(chapter II)

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer all two questions out of three question.

(ii) Each question carries 10 marks.

9) Discuss the role of exercise and yoga in Health care (chapter II)
10) Explain the procedures for safety and cleanliness (chapter I)
11) Discuss about unwanted facial hair and pimple treatment(chapter II)

HEALTH AND BEAUTY CARE 18HS- 105F

MODEL PAPER

MID SEM II EXAMINATION PATTERN

Duration : 1 ½ Hour. Total Marks: 40.

PART-A **Marks: 5 x 2 = 10.**

Note : (i) Answer all Five questions.

(ii) Each question carries 02 marks.

1) Define Health. (chapter III)

2) Define the term balanced diet .(chapter III)

3) List the different cosmetics for nails .(chapter IV)

4) List the equipment used for manicure.(chapter IV)

5) List few moisturizers.(chapter IV)

PART-B **Marks: 2 x 5 = 10.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries 05 marks.

6) Write about any two common nail problems (chapter IV)

7) Explain the role of diet in health care .(chapter III)

8) Explain the function of skin .(chapter IV)

PART-C **Marks: 2 x 10 = 20.**

Note : (i) Answer any two questions out of three question.

(ii) Each question carries Ten marks.

9) Discuss about manicure . (chapter IV)

10) Explain the structure of skin with the help of a diagram (chapter IV)

11) Explain about recommended diets for under weight and over weight (chapter III)

HEALTH AND BEAUTY CARE 18HS- 105F

MODEL PAPER

END EXAMINATION PATTERN

Duration : 03 Hour. Total Marks: 80.

PART-A **Marks: 10 x 2 = 20.**

Note: (i) Answer all ten questions.

(ii) Each question carries 02 marks.

1) What care do you take for hair care?
2) List the two basic hygiene standards in health.
3) What are spots of face ?
4) Define yoga.
5) List the types of Yoga.
6) List any two objectives for selecting and choosing cosmetics for make up.
7) List any two special makeup techniques.
8) Mention any two causes for hair loss.
9) What are natural cosmetics? Give two examples.
10) Mention any four natural cosmetics.

PART-B **Marks: 4 x 5 = 20.**

Note : (i) Answer any four questions out of six question.

(ii) Each question carries 05 marks.

11) Discuss the procedures for safety and cleanliness.
12) Explain about facial wrinkles and unwanted facial hair.
13) Write short notes on massage techniques and equipment used for manicure and pedicure.
14) How do you prepare the face for make up and explain application of makeup for wrinkles?
15) Explain about the use of cosmetics with respect to the skin texture.
16) Discuss the reasons for grey hair and dandruff.

PART-C **Marks: 4 x 10 = 40.**

Note : (i) Answer any four questions out of six question.

(ii) Each question carries Ten marks.

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17) How do you take care of skin , mouth ,teeth and nails ? Explain
18) Explain about pimple treatment.
19) Write short notes on-

a) Importance of skin care

b) Nail art

20) Discuss in detail about selection and precautions during hair coloring and application of Henna.

21) Discuss the importance and selection of cosmetics.

22) Write short notes on-

a) Types of Hair .

b) Types of Hair styles.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **FOOD SCIENCE LAB PRACTICE**	Course Code: 18 **HS-106P**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **FOOD SCIENCE LAB PRACTICE** 18DHS-106
Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Experiment Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Cereal Cookery	**05**					
02	Pulse Cookery	**08**					
03	Vegetable Cookery	**08**					
04	Meat, Poultry & Sea Foods	**10**					
05	Milkshakes, Ice creams, Puddings and Soufflés	**08**					
06	Vegetable carving	**06**					
	Total	**45**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Demonstrate the different cereal preparations and calculate the nutritive value.	R/U/A	1,2	05
CO2	Demonstrate the different Pulse preparations and calculate the nutritive value.	R/U/A	2	08
CO3	Demonstrate the different Vegetable preparations and calculate the nutritive value.	R/U/A	2,10	08
CO4	Demonstrate the different Meat, Poultry and Sea foods preparations and calculate the nutritive value.	R/U/A	2	10

CO5	Demonstrate the different preparations of milkshakes, ice creams, puddings and soups and calculate the nutritive value.	R/U/A	2,5,10	08
CO6	Demonstrate the different preparations and display of vegetable and fruit carvings.	R/U/A	2	**06**

COURSECONTENT:

Experiment : 1 **Duration: Periods-05**

CEREAL COOKERY:

a. Bisibeli Bath.

b. Vegetable Biryani.

c. Kutchi Biryani.

d. Missi Roti.

e. Stuffed Paratha (Potato / Kheema).

f. Bhatura.

Experiment : 2 **Duration: Periods-08**

PULSE COOKERY:

a. Chole.

b. Dal Makhani.

c. Dalcha.

Experiment: 3 **Duration: Periods-08**

VEGETABLE COOKERY:

a. Butter Paneer Masala.

b. Palak Paneer.

c. Mixed Vegetable Curry.

d. Vegetable Kofta Curry.

e. Mushroom Baby corn Masala.

f. Bagara Baingan.

g. Mirchi ka Salan.

Experiment: 4 **Duration: Periods-10**

MEAT, POULTRY AND SEA FOOD:

a. Meat Kofta Curry.

b. Shahi Khorma.

c. Dum ka Murgi.

d. Malai Prawn Curry.

Experiment: 5 **Duration: Periods-08**

MILK SHAKES, ICE CREAMS, PUDDINGS AND SOUFFLES:

a. Mango Lassi.

b. Banana / Sapota / Mango / Pineapple / Badam (almond) Milk Shake.

c. Vanilla / Chacolate Ice- cream.

d. Mango / Sapota Ice Cream.

e. Trifle Pudding.

f. Bread Pudding.

g. Chocolate Pudding.

h. Orange, Mango and Chocolate Soufflés.

Experiment: 6 **Duration: Periods-06**

VEGETABLE CARVING:

a. Tomato / Onion / Bell Pepper / Radish /Carrot / Beetroot Flower.

b. Bell Pepper Cup / Basket

c. Brinjal (Egg plant) Penguin.

d. Cucumber Swirl.

e. Green Onion Curls.

f. Watermelon Bowl / Basket

g. Julienne Cut.

REFERENCEBOOKS:

1. Meera Taneja **Good House Keeping Pakistani cookery,** Ebury press, London, Great Britain, Year-1985.

2. Thangam E.Philip **Modern cookery for Teaching and the Trade, Vol- I,** Published by Orient Longman Ltd., Hyderabad,Year-2010.

3 Thangam. E .Philip **Modern cookery for Teaching and the Trade, Vol-II,** Published by Orient Longman Ltd., Hyderabad, year-1988.

4. Emma Patmore **Cook Shelf Baking,**
Paragon Book, China, Year 2002.

5. NitaMehta's **Cakes and Chocolates,**
SNAB publishers, Pvt .Ltd., New Delhi, Year-2002.

6. NitaMehta's **Low calorie cooking for the Indian kitchen**,
SNAB publishers Pvt. Ltd., NewDelhi, Year-2001.

7. C. Gopalan **Nutritive value of Indian Foods,**
NIN.Hyderabad.

8. Priya Ram Kumar **Cook and See- Soups, Salads, Juices and Chat Items,(Part4),**
S.Meenakshi Ammal Publication, Chennai. Year 2002.

9. Mallika Bhadrinath **a. Snacks Specials. b. Tiffin Varieties.**

FOOD SCIENCE LAB PRACTICE

MODEL QUESTION PAPER

COURSE CODE: 18HS -106 **DURATION: 3 Hours.**

Write the recipe,prepare the following items for two persons and display

1) Bhatura ,chole and Mango Lassi.
2) Missie Roti, Chocolate pudding and any one vegetable carving.
3) Kutchi Biryani, Onion racta and shati khorma.
4) Vegetables Biryani, Butter Paneer Masala with any one vegetable carving.
5) Aloo Paratha, Trifle Pudding and Brinjal Penguin.

NOTE: Students pick up chits with various combinations of recipes, prepare and display the cooked items with a menu card. Evalualation will be done by the External Exam.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **: DRAWING, PAINTING AND SCULPTURE LAB PRACTICE.**	Course Code: 18 **HS-107P**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS**: DRAWING, PAINTING AND SCULPTURE LAB PRACTICE.** 18HS-107P

Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Experiment Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Art History	05					
02	Principles, Techniques and Materials of Drawing	08					
03	Basics of sketching	08					
04	Applied Arts	08					
05	Painting	08					
06	Sculpture	08					
	Total	45					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Explain the prehistoric Art forms, Harappa and Mohenjo-Daro civilization, Ajanta paintings & Temple sculptures.	R/U/A	1,2	05
CO2	Explain the principles and techniques of design and drawing.	R/U/A	2	08
CO3	Demonstrate the tips used in sketching.	R/U/A	2,10	08

CO4	Learn and Demonstrate the tips used in sketching, Still life & Perspective drawing.	R/U/A	2	08
CO5	Draw Poster, Fabric & Oil Painting.	R/U/A	2,5,10	08
CO6	Demonstrate making of sculpture.	R/U/A	2,5,10	08

COURSE CONTENT:

Experiment: 1 **Duration: Periods-5**

ART HISTORY: Pre-historic Art forms from India- Rock Paintings of Bhimbhetka etc. Harappa and Mohenjo-Daro civilization Art and culture. Basic knowledge of famous artists Michelangelo, Leonardo Da Vinci, Vincent Vangogh, Salvador Dali, Pablo Picasso, Raja Ravi Verma, M F Husain. Basic knowledge of local artists - Late Sri P.T. Reddy. Late Sri Kapu Rajaiah, Late Sri. Kondapally Seshagiri Rao, Padmasri Jagadish mittal, Padmasri K. Laxma Goud, Sri. Thota Vaikuntam and Sri.Surya Prakesh.

GENERAL KNOWLEDGE OF WORLD FAMOUS PAINTINGS AND SCULPTURES: Monalisa, Ajanta paintings, Ellora paintings. Famous temple sculptures of India, Traditional Indian Miniature Paintings, Contemporary (modern) Indian Art and European Art and Artists

Experiment: 2 **Duration: Periods-08**

PRINCIPLES, TECHNIQUES AND MATERIALS OF DRAWING: Elements of Design-Line, Colour, Texture, Typography, Scale (Size), Dominance and Emphasis, Balance and Harmony. **Principles of design**- Alignment, Hierarchy, Contrast, Repetition, Proximity, Balance, Color and Space. **Principles of drawing**- Balance, Emphasis, Unity, Contrast, Rhythm, Pattern and Movement. **Techniques of drawing**- Tonal, Scumble, Smudge, Hatching, Cross Hatching and Accent Lines. **Materials used for drawing**- Pencils (Black, white and color), Pastels, Charcoal sticks, Sketch pens. **Drawing from nature -** Leaves, flowers, trees, birds, animals

etc., **Object drawing** - House hold objects like jars, Bottles, bowls etc.

Experiment: 3 **Duration: Periods-08**

BASICS OF SKETCHING: Meaning of Sketching, tips used in Sketching, **use of Tools**- Pencils, Brushes and Pens used while sketching, **use of different pencils** -light, dark. Rotoring Technique, Crackle and Brush dots technique, Brush and ink technique, Dry brush different tones. General Sketching work- Smudging, hashing, Shading and detail work. **Drawing of human figures of different ages**- Baby, Child, Woman, Man, Old and adolescent age. **Drawing of face study of human life**- Happy, Calm, angry, worry, shocked & dull. Drawing of lips, eyes, nose, ear and their shading. Drawing of legs, foot, hand, palm & fingers. Drawing and shading of flowers, birds and animals etc.,

Experiment: 4 **Duration: Periods-**

08

APPLIED ARTS: Materials - Pencils, Indian ink, Drawing sheets, Ivory card, Mount board. **Lettering and geometrical Designing** – calligraphy, graphology, writing about figures symbols and alphabets. **Different types of calligraphy**- roman, 3-D Letters, lettering with grid method. Use of compass in making various Geometrical shapes, **Geometrical designs**- Circles, Squares. Creative designs without using Geometrical Instruments. Enlarging and reducing the designs.

STILL LIFE: Still Life objects – Symmetrical, Jars, Bottles & Pot. Asymmetrical – book and rectangular box. Perspective Drawing – 3dimentinal objects on a 2-dimentional surface on Paper or Canvas.

Experiment: 5 **Duration: Periods-08**

PRINCIPLES, TECHNIQUES AND MATERIALS USED FOR PAINTINGS: Principles of painting, Techniques of painting, **Materials used for painting** – Handmade paper, Oil colour sheets, Canvas boards, Cloth for fabric painting, Water colours, Oil colours, Fabric paints, Palette Knives for colour mixing, Brushes and water colour Palette.

COLOUR THEORY: The application of Poster colours, Fabric colours, Colour wheel and Colour Schemes.

POSTER AND FABRIC PAINTING: Obtaining colours and application of Poster colours & Poster designs, obtaining paints and application of Fabric paints.

OIL PAINTINGS: Oil paints, Colour mixing to obtaining paints, Application of oil paints.

Experiment: 6 **Duration: Periods-08**

SCULPTURE: Materials Used - Clay, Paper pulp. Clay modelling from Nature like Birds, Animals, Flowers, Fruits , Trees, Human fig. etc., Geometrical, 3D forms like Cube, Sphere , Pyramid etc., Creative Abstract forms.

REFERENCE BOOKS:

1. Gene Franks **Pencil Drawing**, A Walter foster publications.
2. Michael Chinery Maurice Plkedger **Garden birds Illustrated**.
3. Lola Ades **Flowers and Designs to copy.**
4. K.V.Kamble Anupam **Design drawing,** Gala publications (India).

5 Subodh Narvekar, Avadhuth Narvekar. **Elementary and Intermediate Grade Education**

Drawing Made Easy,

Navaneeth publications.

6. Paschmina, javnik **Calligraphika,**

Navaneeth publications.

7. Pundalik vaze **The art of shading-Nature and Landscape,**

Published by Milind. L Paranjape.

8. **Pencil shading Landscapes1 & 2, Sahani Publications**

9. Rajani Dandekar **Crylin painting A course for Beginners & Advance course.**

10. Win F. Powell **How to paint Clouds & Sky scapes.**

11. Anton Gutknecht **How to Paint beautiful landscapes and Seascapes.**

12. Watter Foster **The Magic of Oil Painting.**

13**.** **Learn how to do Oil Paint,**

Alka Publications.

14. Vikas **Learn water colours– Basic Painting 1 & 2**,

Navneeth Publications.

15. **Dream land fun with clay- Modelling.**

16. **Apple tree little hands- colours & shapes**,

Published by Marito Corporation.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **: BASIC STICHES AND SEWING SKILLS LAB PRACTICE**	Course Code: 18 **HS-108P**
Semester: **I**	Corse/ Elective: **Core**
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **BASIC STICHES AND SEWING SKILLS LAB PRACTICE** 18DHS-108C

Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Experiment Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Sewing Machine	**02**					
02	Basic Stitches, Seams and Seam Finishes	**09**					
03	Neckline finishes , Fullness in Garments–Plackets- Openings Fasteners	**12**					
04	Pockets, collars, yokes and sleeves	**12**					
05	Drafting & Stitching of Jangia	**05**					
06	Drafting& Stitching of Jabla	**05**					
	Total	**45**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Explain about selection, care, the causes and remedies for the common faults.	R/U/A	1,2	02

CO2	Demonstrate the basic stitches, Seams and seam finishes.	R/U/A	2	09
CO3	Stitch Neckline finishes, pockets and collars	R/U/A	2,10	12
CO4	Stitch plackets-openings and fasteners, yokes and sleeves in garments.	R/U/A	2	12
CO5	Demonstrate the drafting and stitching of Jangia	R/U/A	2,5,10	05
CO6	Demonstrate the drafting and stitching of Jabla	R/U/A	2	05

COURSE CONTENT:

Experiment: 1 **Duration: Periods-02**

SEWING MACHINE: Selection of Selection and Care of the Sewing Machine. Different Parts of a Sewing machine. Common faults, Causes and Remedies.

Experiment: 2 **Duration: Periods-09**

PREPARATION OF SAMPLES OF BASIC STITCHES: Basic Stitches-Even basting, Uneven basting, Running, hemming & backstitch. **Seams-** Plain seam, French seam, Run & Fell seam & Lapped seam. **Seam finishes-** Pinked seam finish, Edge stitch seam finish, Double stitch seam finish & Herring bone stitch seam finish.

Experiment: 3 **Duration: Periods-12**

PREPARATION OF SAMPLES OF NECKLINE FINISHES, SAMPLES IN FULLNESS IN GARMENTS, PLACKETS, OPENINGS AND FASTENERS: **Neckline Finishes**-Facing, Piping or binding. **Darts**-Single Pointed, Double Pointed and Decorative darts. **Tucks**-Pin tucks, Corded Tucks and cross tucks. **Pleats**-Knife pleats, Box pleats, Inverted box pleats and Pinch pleats. Gathers and ruffles (single and double). **Openings**-Simple hem opening, Continuous wrap opening and two pieces bound opening. Fasteners - Buttons and Button holes, Shank buttons, Zips, Hooks and Eyes.

Experiment: 4 **Duration: Periods-12**

POCKETS, COLLARS, YOKES AND SLEEVES: Pockets: Preparation of Patch Pocket, Flap pocket, Seam pocket and Bound pocket. **Collars**- Preparation of Peter Pan collar, Cape collar and Shirt collar. **Yokes**- Preparation of Round yoke and Square yoke. **Sleeves**- Preparation of Plain sleeve, Puff sleeve, Long sleeve and Raglan sleeve.

Experiment: 5 **Duration: Periods-05**

DRAFTING AND STITCHING OF JANGIA: Drafting, Paper pattern, Cutting and stitching of Jangia with suitable seams and stitches.

Experiment: 6 **Duration: Periods-05**

DRAFTING AND STITCHING OFJABLA: Drafting, Paper pattern, Cutting and stitching of Jabla with suitable seams and stitches.

REFERENCE BOOKS:

1. K.R.Zarapkar **Zarapkar system of cutting,**
GALA publishers, Bombay, Ahemadabad, Nagpur, Pune, Madras.

2. Sheri Dongaji **Basicprocess & clothing construction**,
New Raj Book Depot, Publishers and Book Sellers, Bengal
Mal Markets. New Delhi.

3. Mary Mathews **Clothing construction–PartI, II, Basicsewing processes,**
Fourthprinting- 1989.

4. Black well Science series **Introduction to clothing manufactures,**

5. Peter Morgan **Designing and pattern cutting for children Clothing**,
B.TBatsfordLtd-London–1973.

6. Kettunen Minn **Fundamentals of Dress,**
McGrawHillBook company 1941.

DEPARTMENT OF TECHNICAL EDUCATION
STATE BOARD OF TECHNICAL EDUCATION & TRAINING (TS)

Course Title: **: BEAUTY CLINIC LAB PRACTICE**	Course Code: 18 **HS-109P**
Semester: **I**	Corse/ Elective:
Teaching Scheme(L:T:P): **Theory 50 Minutes (00**)	Credits: **4 Credits**
Type of Course: **Laboratory Course**	Total Contact Hours:
CIE: **60 Marks**	SEE: **40 Marks**

Course Content and Blue Print of Marks for SEE DHS **BEAUTY CLINIC LAB PRACTICE** 18DHS-109C
Legend: R: Remembering, U: Understanding A: Applying

Exp. No	**Experiment Name**	**Periods**	**Questions to be set for SEE**			**Marks weightage**	**Weightage (%)**
			R	**U**	**A**		
01	Yoga and Exercise	05					
02	Facial	08					
03	Threading	08					
04	Manicure and Pedicure	08					
05	Haircuts , Hair Dyeing and Henna Treatment	08					
06	Mehandi, Makeup and Hair styles.	08					
	Total	**45**					

	COURSE OUT COME	**CL**	**Linked PO**	**Teaching Hours**
CO1	Summarize importance of Beauty, Yoga, Meditation, and Exercise.	R/U/A	1,2	05
CO2	Demonstrate different facial treatment methods.	R/U/A	2	08
CO3	Demonstrate threading of Eyebrows, Chin, Upper lip and Waxing.	R/U/A	2,10	08
CO4	Demonstrate Manicure and Pedicure	R/U/A	2	08
CO5	Demonstrate Hair Cuts, Hair Dyeing and Henna Treatment.	R/U/A	2,5,10	08
CO6	Practice Mehandi, Makeup and Hair styles.	R/U/A	2	08

COURSE CONTENT:

Experiment: 1 **Duration:**

Periods-05

1.0 INTRODUCTION TO BEAUTY, YOGA AND EXERCISE Importance of Beauty-Care of Hair, Eyes, lips, teeth, skin, nails, hands and feet.

2.0 YOGA AND EXERCISE: Importance of yoga in beauty, Eight stages of Yoga-Yama, Niyama, Pranayama, Pratyahara, Dharana, Dhyana, Samadhi. Importance of Meditation, Importance of Exercise, Ways of exercising and Relaxation methods.

Experiment: 2 **Duration:**

Periods-08

FACIAL: Different Facial Treatments, Herbal & Synthetic Cream massages, Different Face masks, Home packs and Nourishing creams.

Experiment: 3 **Duration:**

Periods-08

THREADING: Practice in threading of Eye brows, Lower chin, Upper lip, Hands and Legs.

Experiment: 4 **Duration:**

Periods-08

MANICURE & PEDICURE: Cutting and grooming nails**,** Cleaning, massaging hand and feet.

Experiment: 5 **Duration:**

Periods-08

HAIRCUTS, HAI R DYEING & HENNATREATMENT: Straight cut, "U" cut, deep "U" cut, "V" cut, Step cut, Boy and baby cut.Hair dyeing-Powder, Liquid, synthetic and Herbal dyeing.

Experiment: 6 **Duration:**

Periods-08

MEHENDI, MAKEUP : Mixing Mehendi and cone preparation Practice different designs for Mehendi. Follow tips for eye, eyebrow, Lips, and cheeks makeup. Do Makeup and hair styles- any five styles like French Knot etc.

REFERENCE BOOKS:

1. Shahnaz Husain’s **Shahnaz Husain’s Beauty Book**,
   Orientpaper backsA DivisionofVisionsBooks PVT. Ltd.,
2. ChhoDer **Beauty & Body book.**
3. Kittycarpion **Herbal Beauty**

COMPUTER FUNDAMENTALS LAB PRACTICE

Course Title : **COMPUTER FUNDAMENTALS LAB PRACTICE**	Course Code : **18HS-110P**
Semester : **I**	Course Group : **Core**
Teaching Scheme in Hrs (L:T:P) :**7.5:0:37.5**	Credits : **3**
Type of course **: Tutorial + Practicals**	Total Contact Hours : **45 Pds**
CIE : **60 Marks**	SEE : **40 Marks**

Prerequisites

Knowledge of English comprehension , Basic Computer operation and IO devices.

Course Outcome

On successful completion of the course, the students will be able to attain below Course Outcome (CO):

Course Outcome		CL	Linked PO	Teaching Hours
CO1	Identify hardware and software components and work with DOS OS	**R,U, A**	**1,2,3,4,8,9,10**	**5**
CO2	Operate the computer system with Windows OS	**R,U, A**	**1,2,3,4,8,9,10**	**15**
CO3	Access the internet	**R,U, A**	**1,2,3,4,8,9,10**	**5**
CO4	Draft the documents using word processing software	**R,U, A**	**1,2,3,4,8,9,10**	**20**
		Total Sessions		**45**

Legends: R = Remember U= Understand; A= Apply and above levels (Bloom's revised taxonomy)

Course Contents

COMPUTER BASICS

1. Identify the various components of a Computer system
2. Differentiate between hardware and software
3. State the configuration of a computer system
4. Practice on DOS Internal and External commands.
5. Create and use Batch Files.
6. Know the usage of Editors.

WINDOWS Operating System

7. Exercise on creation of text Files using Notepad, WordPad
8. Exercise on creation of .jpeg, .bmp files using MS Paint
9. Exercise how to use calculator
10. Exercise on creation of folders and organizing files in different folders
11. Exercise on use of Recycle Bin, My Computer and My Documents
12. Exercise on creation of shortcut to files and folders (in other folders) on Desktop
13. Exercise on arranging of icons – name wise, size, type, Modified
14. Exercise on searching, accessing and organizing files / folders

15. Change resolution, colour, appearance, screen server options of Display, date and time

INTERNET

16. Importance of web browser software
17. Structure of URL
18. Create an E-mail account
19. Send & Receive an E-mail
20. Browse the Internet using various search engines

WORD Processing Software

21. Open MS-word and Identify the components on the screen
22. Create a document using MS-word and save it.
23. Create a table using MS-Word and save it.
24. Apply formulas in table & sort the table
25. Convert text into table & table into text.
26. Insertion of new rows and columns in the existing table and changing background colour in Table
27. Merge and split cells in a Table
28. Change the font of a text
29. Exercise with Headers and Footers, paragraph tool bar
30. Insert objects into the document like pictures, shapes, charts, and word-art.
31. Printing a document , page setting, different views of a document
32. Import & export files to & from Word.
33. Create a letter and send to multiple users using mail merge tool of MS-word
34. Create a Simple Newsletter with minimum three columns. Insert a Clip Art in the Newsletter.
35. Create a Resume for a Job Application.
36. Create the Cover Page of a Project Report (use Word Art, insert Picture Image).
37. Prepare the class time table of your class.

Resources:

1. Computer Fundamentals Concepts, Systems, Application, D.P.Nagapal, S.Chand Publication, RP-2014, ISBN: 81-219-2388-3
2. http://www.tutorialsforopenoffice.org/
3. http://www.libreoffice.org/get-help/documentation/

Software Tool

Any open source tool or equivalent proprietary tools

Composition of Educational Components:

Questions for CIE and SEE will be designed to evaluate the various educational components (Bloom's taxonomy) such as:

Sl. No.	Bloom's Category	%
1	Remembrance	20
2	Understanding	20
3	Application	60

Mapping Course Outcomes with Program Outcomes:
(Course Outcome linkage to Cognitive Level)

Course Outcome		Experiment Linked	Linked PO	CL	Lab Sessions
CO1	Identify hardware and software components and work with DOS OS	**1,2,3,4,5,6**	**1,2,3,4,8,9,10**	**R, U, A**	**5**
CO2	Operate the computer system with Windows OS	**7,8,9,10,11,12,13, 14,15**	**1,2,3,4,8,9,10**	**R, U, A**	**15**
CO3	Access the internet	**16,17,18,19,20**	**1,2,3,4,8,9,10**	**R,U, A**	**5**
CO4	Draft the documents using word processing software	**21,22,23,24,25,26, 27,28,29,30,31,32, 33,34,35,36,37**	**1,2,3,4,8,9,10**	**U, A**	**20**

U-Understanding; A-application/ Analysis; App-Application

Student Activity

1. Observe newspaper pattern of printing.
2. Submit a report of one page
3. Collection of data

Internal Assesment

Activity	Marks
Writing the experiment, record evaluation	30
Execution of the given experiment	20
Viva-voce	10
Total	60

Model Question Bank

1. Identify Physical components of a Computer System.
2. Demonstrate Internal and External DOS Commands and differentiate between them.
3. Create and Rename the file using DOS Commands.

4. Create a directory and copy a file inside the directory using DOS Commands.
5. Demonstrate the basic formatting features in Text Editors.
6. Create two file in a folder and place the shortcut of these files on the desktop.
7. Demonstrate how search engine may be used in browsing Internet.
8. Create an E-mail account
9. Create and Send an E-mail with a picture attachment.
10. Demonstrate how documents can be downloaded using Internet.
11. Using Word Processor Application create a Simple Newsletter with minimum of three columns. Insert a Clip art in the newsletter.
12. Using Word Processor Application create a Resume for a Job application.
13. Using Word Processor Application create the cover page of a Project Report (use Word Art, insert Picture Image).
14. Prepare the class time table for your class using Word Processor Application.