

ADD ON COURSE

DEPARTMENT OF HOME SCIENCE

STARTED BATCH IN ADD ON COURSE - 2021

I BSC STUDENTS – I SEMESTER



ADD ON COURSE

BAKING SCIENCE

ORGANIZED BY

DEPARTMENT OF HOME SCIENCE,

HINDU COLLEG, MARKET CENTRE

GUNTUR - 522003

S.No	NAME OF THE ADD ON COURSE	ACADEMIC YEAR	FROM	TO
1.	Baking Science	2021-2022	1-11-2021	7-12-2021

HINDU COLLEGE, GUNTUR
ADD ON COURSE
BAKING SCIENCE

UNIT 1: INTRODUCTION TO BAKING SCIENCE

- Bakery concepts
- Different types of baked products
 - Quick breads
 - Yeast breads or leavened breads
 - Cakes and biscuits

UNIT 2: BASIC MATERIALS USED IN BAKERY

Food ingredients. Essential ingredients – flour, eggs, fats, sugar, liquids, leavening agents, flavouring agents and Optional ingredients

UNIT 3: FLOURS AND FLOUR MIXTURES

- Flour selection, properties and specifications
- Tests to evaluate the flour quality

UNIT 4: BISCUITS, COOKIES AND CAKES

Role of ingredients in cookie preparation, Techniques of preparation, Faults and remedies, Different types of cakes, Role of ingredients in cake making, Cake making techniques, Cake faults and causes

UNIT 5: BREADS

Optional bread ingredients, Mixing methods, Bread quality, Bread, faults, causes and remedy

REFERENCES:

- Kent, N.L. Source for Base Recipes: The Williams-Sonoma Collections, The French Culinary Institute Education Material, Baking with Julia, Bernard Clayton's Book of Breads, Misc. Food Magazines, Food Sites: Aarushi Jain
- Edmund, B. Bennion; James Steward. Cake Making, G. S. T. Bamford, Leonard Hill Book, London.
- Peter R. Whiteley. Biscuit Manufacture – Fundamentals of Online Production, Elsevier Publishers
- Fance W. J. and Wragg BH. Up - to - date Bread Making, Maclaren and Sons, London
- www.aarushijain.com/baking_ingredients.html
- www.authorstream.com
- http://www.google.co.in/search?q=wheat+milling++ppt&hl=en&sa=G&biw=1280&bih=666&prmd=v&source=univ&tbs=vid:1&tbo=u&ei=PDafTlBlHZO0cNmV5OYJ&oi=video_result_group&ct=title&resnum=9&ved=0CDYQqwQwCA

- <http://www.wheatflourbook.org/Main.aspx?p=33>

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BAKING SCIENCE – PRACTICALS

1. Preparation of biscuits
2. Preparation of cookies
3. Preparation of cakes
4. Preparation of breads

References:

- Kent, N.L. Source for Base Recipes: The Williams-Sonoma Collections, The French Culinary Institute Education Material, Baking with Julia, Bernard Clayton's Book of Breads, Misc. Food Magazines, Food Sites: Aarushi Jain
- Edmund, B. Bennion; James Steward. Cake Making, G. S. T. Bamford, Leonard Hill Book, London.

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HINDU COLLEGE, GUNTUR
ADD ON COURSE, SEMESTER – I
BAKING SCIENCE

SECTION – A

2x10 = 20M

Answer any TWO of the following

1. What are the forms of fats? Explain the role of fat in baking.
2. Explain the tests to evaluate the quality of the flour.
3. Enumerate the faults and causes in cake making.

SECTION – B

5X4 = 20M

Answer any FOUR of the following

1. Write about the role of egg in preparation of bakery foods.

2. What are the functions liquids perform in baking?
3. What are the functions of salt in baking?
4. Describe the chemical leaveners in baking
5. Describe the mixing methods in bread.
6. Explain the factors that influence the quality of bread.

SECTION – C

5X2 = 10M

Answer all of the questions

1. Muffins
2. Biscuits
3. Tenderizers
4. Leavening agents
5. Rheological tests

ATTENDANCE

Hindu College, Guntur
Department of Home Science
Add on Course Marks List 2021

S N O	NAME OF THE CANDIDATE	MARKS OBTAINED (50M)
1	B. Deepthi Hanna	46
2	D.G.V.Satyasri	49
3	K. Sravanthi	40
4	M. Padma	38
5	M. Jaya lakshmi	45
6	T. Lavanaya	48
7	V.Sumalatha	44
8	U.Akansha	36
9	V, Naga lakshmi	35
1	V. Rishitha	34
1	V. sushma	40
12	Y. Ramaya	28
13	Y. David raju	33
14	Y.Ajay kumar reddy	38

Hindu College, Guntur
Department of Home Science
Add on course on Baking Science 2021

S NO	NAME OF THE CANDIDATE	Signature of the Student
1	B. Deepthi Hanna	B. Deepthi Hanna
2	D.G.V. Satyasri	D.G.V. Satyasri
3	K. Sravanthi	K. Sravanthi
4	M. Padma	M. Padma
5	M. Jaya lakshmi	M. Jaya Lakshmi
6	T. Lavanaya	T. Lavanya
7	V. Sumalatha	Suma Latha
8	U. Akansha	U. Akansha
9	V. Naga lakshmi	V. Naga lakshmi
1	V. Rishitha	V. Rishitha
1	V. sushma	V. Sushma
12	Y. Ramaya	Y. Ramya
13	Y. David raju	Y. David raju
14	Y. Ajay kumar reddy	Y. Ajay kumar reddy

BAKING SCIENCE CERTIFICATE



HINDU COLLEGE, GUNTUR
ADD ON COURSE FOR (2021-2024) BATCH
DEPARTMENT OF HOME SCIENCE
CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Miss _____
Studying B.Sc. Home Science has participated in Add-on Course on Baking Science
for Thirty days conducted by Department of Home Science, HINDU COLLEGE,
Guntur, from 1/11/2021 to 7/12/2021. We wish all the best in his/her future
endeavours

N. S. Lakshmi

HOD

Head
Department of Home Science
Hindu College, Guntur

T. Umamany

DIRECTOR

DIRECTOR
Bachelors & Add-on Courses,
Hindu College
Amravathi Road Campus



HINDU COLLEGE, GUNTUR
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This is to certify that Mr/Miss _____ V. Sumalatha
Studying B.Sc. Home Science has participated in Add-on Course on Baking Science
for Thirty days conducted by Department of Home Science, HINDU COLLEGE,
Guntur, from 1/11/2021 to 7/12/2021. We wish all the best in his/her future
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This is to certify that Mr/Miss D.G.V. Satya.sri
Studying B.Sc. Home Science has participated in Add-on Course on Baking Science
for Thirty days conducted by Department of Home Science, HINDU COLLEGE,
Guntur, from 1/11/2021 to 7/12/2021. We wish all the best in his/her future
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Head
Department of Home Science
Hindu College, Guntur

DIRECTOR

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Bakery & Food Courses,
Hindu College,
Amravathi Road Guntur