

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

UG Department of Biotechnology  
Add on Course: Nutritional Biochemistry  
Session 2022-23

**Course Coordinator Report**

A free Add-On Course for UG students in the Department Biotechnology, Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur was held from 06<sup>th</sup> December 2019 to 21<sup>st</sup> February 2020. The course title was "Nutritional Biochemistry". It is the complete beginner to Expert Course was perfect for anyone who wants to learn Nutritional Biochemistry.

The Nutritional Biochemistry course is designed to explore the biochemical basis of nutrition, focusing on metabolic pathways, nutrient interactions, and their impact on human health. Students will learn about dietary analysis, metabolic disorders, and strategies for nutritional planning.

The course duration was 10 weeks (30 hours). Two theory classes were engaged on Friday & Saturday and one Practical was engaged in every week. The structure of marking system was 50 marks on theory paper and 40 marks on practical examination including 10 marks for internal. The question paper of theory examination was in MCQ type of 25 questions with four multiple choices. Practical examination was also taken on this course for 40 marks. Internal marks assessment was on the basis of regularity, attendance, assignment submission etc. All the 83 students were present in both theory and practical examination. The result was prepared and certificates were also distributed to the students.



*Ms. Mayuri Bhad*  
Ms. Mayuri Bhad  
Course- Coordinator  
Add on Course

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
UG Department of Biotechnology  
Add on Course: Nutritional Biochemistry  
Session 2022-23**

To,  
The Principal  
SSES Am's Science College,  
Congress Nagar, Nagpur-12

Subject: Permission to conduct the add on courses in the Microbiology and Biotechnology department during the session 2022-2023.

Respected Sir,

This is to request you that, we wish to conduct the add on courses in Microbiology and Biotechnology department these are the certificate courses of thirty hours' time duration.

The details of the courses are submitted here with.

Hence please permit to run the same and oblige me.

Thanking you

Yours sincerely

2/07/2022



*Obobant*

HEAD  
Department of Microbiology  
Science College, Congress Nagar,  
NAGPUR.

*Permit Head  
A. S. 12/22*

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

UG Department of Biotechnology

NOTICE

Date: 08/01/2023

All the students are informed that U.G. Department of Biotechnology runs Add on Course: Nutritional Biochemistry for the session 2022-23. Interested students of B.Sc. are requested to provide their names to the course Coordinator Ms. Mayuri Bhad on or before 18/01/2023.



*MSBhad*  
Ms. Mayuri Bhad  
Course- Coordinator  
Add on Course





**U.G. DEPARTMENT OF BIOTECHNOLOGY,  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**

Accredited with CGPA of 3.51 at 'A+' Grade by NAAC, Bangalore  
A College with Potential for Excellence  
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A Mentor College under Paramarsh Scheme of UGC, New Delhi  
A Mentor College under Paris Sparsh Scheme of Maharashtra State

**Add on Course for the Session 2022-23**  
*On*  
**Nutritional Biochemistry**

**Course Introduction**

This course explores the biochemical basis of nutrition, focusing on metabolic pathways, nutrient interactions, and their impact on human health. Students will learn about dietary analysis, metabolic disorders, and strategies for nutritional planning.

**Course Objectives**

- Develop and Understand the nutritional plans
- To study the effects on metabolic processes
- Learn the nutrition and its impact on human health

**Registration Date: 18/01/2023**

**Prof. Atul Bobdey**  
*Coordinator*  
*Dept. of Biotechnology*

**Prof. Mahendra Dhore**  
*Principal*  
*Science College, Nagpur*

**Dr. Sapna Baghel**  
*Course- Coordinator*  
*Add on Course*

Certificate  
Biochemistry

Theory paper: ~~Additional Biochemistry~~  
• Theory examination will be of MCQ, matching  
• ~~Practical examination will be of culture, staining~~  
performance evaluation in the laboratory and  
performance evaluation in the laboratory and  
hands-on-training

30 10 40  
100  
100

Ms. Mayuri Bhad  
Add on Course Coordinator



Dr. Amitabh Halder  
IQAC Coordinator  
Internal Quality Assurance Cell  
(IQAC)  
S. S. E. S. A. Science College  
Congress Nagar, Nagpur.

Prof. Mahendra Dhore  
Principal  
Principal  
S. S. E. S. Amravati's  
Science College, Nagpur.

## UG Department of Biotechnology

### Add on Course: Nutritional Biochemistry (Session 2022-23)

#### Module: The Structure of Syllabus and system of evaluation

Course	Theory Papers and Practical	Total Marks		
		Theory	Internal	Practical
Certificate Course in Nutritional Biochemistry	Theory paper- Nutritional Biochemistry * Theory examination will be of MCQ pattern having 25 questions each with equal marks.	50	10	40
	* Practical examination will be based on performance evaluation in the laboratory and hands-on-training	100		

Ms. Mayuri Bhad

Add on Course Coordinator



Dr. Amitabh Halder

IQAC Coordinator

Internal Quality Assurance Cell  
(IQAC)

S. S. E. S. A. Science College  
Congress Nagar, Nagpur.

Prof. Mahendra Dhore

Principal

Principal

S. S. E. S. Amravati's  
Science College, Nagpur.



## UG Department of Biotechnology

### Add on Course: Nutritional Biochemistry (Session 2022-23)

#### Syllabus of Add on Course: Nutritional Biochemistry

#### Course Units

##### Unit 1: Introduction to Nutritional Biochemistry

- Understand the basic concepts of nutritional biochemistry.
- Explore the role of macronutrients and micronutrients in metabolism.
- Discuss the importance of vitamins and minerals in biochemical pathways

##### Unit 2: Dietary Analysis and Nutritional Assessment

- Learn methods for dietary analysis and nutritional assessment.
- Interpret nutritional data to evaluate dietary patterns.
- Analyze nutrient intake and its implications on health.

##### Unit 3: Metabolic Disorders and Biochemical Basis

- Identify common metabolic disorders related to nutrition.
- Understand the biochemical mechanisms underlying metabolic disorders.
- Explore therapeutic interventions and nutritional strategies for managing metabolic disorders.

##### Unit 4: Nutritional Planning and Biochemical Approaches

- Develop nutritional plans based on biochemical principles.
- Apply biochemical knowledge to optimize nutrient intake and absorption.
- Explore the role of nutraceuticals and functional foods in promoting health.

##### Practical Sessions:

###### 1. Dietary Analysis Lab


- Conduct dietary assessments using software tools.
- Analyze nutrient composition and dietary patterns.
- Interpret results to formulate dietary recommendations.

###### 2. Metabolic Disorders Case Studies

- Analyze case studies of metabolic disorders.
- Identify biochemical abnormalities and nutritional interventions.

- Develop management plans based on biochemical pathways.
3. **Nutritional Planning Workshop**
- Design personalized nutritional plans based on individual needs.
  - Incorporate biochemical insights into meal planning.
  - Evaluate the effectiveness of nutritional strategies.
4. **Nutraceuticals and Functional Foods Demo**
- Explore the role of nutraceuticals in health promotion.
  - Demonstrate the biochemical actions of functional foods.
  - Discuss their potential impact on metabolic pathways.



  
**Ms. Mayuri Bhad**  
Course- Coordinator  
Add on Course



## UG Department of Biotechnology

### Add on Course: Nutritional Biochemistry (Session 2022-23)

#### Week-wise teaching plan:

Week	Hrs.	Syllabus
Week 1	1	Understand the basic concepts of nutritional biochemistry.
	1	Explore the role of macronutrients
	1	micronutrients in metabolism.
Week 2	1	Discuss the importance of vitamins and minerals in biochemical pathways
	1	Learn methods for dietary analysis
	1	nutritional assessment.
Week 3	1	Interpret nutritional data
	1	evaluate dietary patterns
	1	Analyze nutrient intake and its implications on health
Week 4	1	Identify common metabolic disorders related to nutrition.
	1	Understand the biochemical mechanisms underlying metabolic disorders
	1	Explore therapeutic interventions
Week 5	1	nutritional strategies for managing metabolic disorders
	2	Develop nutritional plans based on
Week 6	2	biochemical principles
	1	biochemical knowledge
Week 7	2	optimize nutrient intake and absorption.

	2	Explore the role of nutraceuticals
Week 8	2	functional foods
	2	functional foods in promoting health
Week 9	1	Dietary Analysis Lab
	1	Metabolic Disorders Case Studies
Week 10	1	Nutritional Planning Workshop
	1	Nutraceuticals and Functional Foods Demo



*MSBhad*

**Ms. Mayuri Bhad**  
Course- Coordinator  
Add on Course

**UG Department of Biotechnology**  
**Add on Course: Nutritional Biochemistry (Session 2022-23)**

**Add on Course: Nutritional Biochemistry**

**Time Table**

w.e.f. 21/01/2023

Day	Theory
Friday	Ms. Mayuri Bhad (R. No-C6) Theory 4.00 PM - 5.00 PM
Saturday	Ms. Mayuri Bhad (R. no -C6) practical, 4.00 PM - 5.00 PM
	Ms. Mayuri Bhad (R. No- C6) Theory, 4.00 PM - 5.00 PM



*MSBhad*  
**Ms. Mayuri Bhad**  
Course- Coordinator  
Add on Course



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UG Department of Biotechnology

EXAMINATION NOTICE

Date: 14/03/2023

All the students enrolled for **Add on Course: Nutritional Biochemistry** for the session 2023-24 are informed that Theory and Practical Exam of the course is scheduled on 20/03/2023. All the appearing students are informed to remain present in Biotechnology Laboratory at 10:30 - 11:30AM AM for Theory Exam and at 12:30PM - 5:30PM for Practical Exam.



*MSBhad*  
Ms. Mayuri Bhad  
Course- Coordinator  
Add on Course

**List of the Students: Add on Course- Nutritional Biochemistry  
(Session 2022-2023)**

Sr. No.	Name of Student	Signature
1)	AMBOLE TRUPTI DNYANESHWAR	<i>Dnyaneshwar</i>
2)	ANASANE VAIDEHI GANESH	<i>Anasane</i>
3)	ATILKAR PRANAY DNANESWHAR	<i>Pranay</i>
4)	BAGDE YASHIKA PRAMOD	<i>Yashika</i>
5)	BANSOD SAMYAK DNYANESWATR	<i>Samyak</i>
6)	BARASKAR ASHWINI UMESH	<i>Ashwini</i>
7)	BARDE VISHA BRAKASH	<i>Visha</i>
8)	BHOYAR HEMAD AJAY	<i>Hemad</i>
9)	BHUSHANKAR MRUNALI NARESH	<i>Mrunali</i>
10)	BISEN KAJAL DEBLAL	<i>Kajal</i>
11)	BOLE ACHAL ANOOP	<i>Achal</i>
12)	BONDE SHRUTI VINOD	<i>Shruti</i>
13)	BONDRE TITHI KUSUMAKAR	<i>Tithi</i>
14)	BORKAR DUSHANT RUSHI	<i>Dushant</i>
15)	BRAHMANKAR SMRUTI SANJAY	<i>Smruti</i>
16)	CHAUDHARI BHARVI VIKAS	<i>Bharvi</i>
17)	CHAVHAN AYUSH DILIP	<i>Ayush</i>
18)	CHIKHALKAR HARSHADA WASUDEV	<i>Harshada</i>
19)	DALVI CHETNA KAILAS	<i>Chetna</i>
20)	DHOBE RIYA SATISH	<i>Riya</i>
21)	DHORE PARISA PRAMOD	<i>Parisa</i>
22)	GHUGAL RUSHALI GHANSHYAM	<i>Rushali</i>
23)	GUJWAR KHUSHBU PURANSINGH	<i>Khushbu</i>
24)	HAKIM SHAFIN RAFIYODDIN	<i>Shafin</i>
25)	HIWARKAR RAUNAK KRISHNA	<i>Raunak</i>



26)	INGOLE NIKITA BANDU	Nikita
27)	ISHWARKAR KANIKA YOGRAJ	Kanika
28)	JAITWAR KAJAL RATANLAL	Kajal
29)	JAMBHULKAR KALSHIKA SUDESH	Kalshika
30)	JANGAMWAR ISHA VINOD	Isha
31)	JIWANE GRECY CHANDU	Greacy
32)	JOSHI ARYAN SHRIPAD	Aryan
33)	KADAMDHAD MAYUR YOGESHWAR	Mayur
34)	KADHAO MAYURI MURLIDHAR	Mayuri
35)	KALAMKAR SHRAVANI MADHUKAR	Shravani
36)	KALE GAURI ATUL	Gauri
37)	KAMBE ARPIT AVINASH	Arpit Kambe
38)	KAMBLE KOMAL SANJAY	Kambl
39)	KAWADE KHUSHI RAJU	Khushi
40)	KELAPURE SAI PRIYA RAMCHANDRA	Sai Priya
41)	KHOT SAMIKSHA GHANSHYAM	Samiksha
42)	KOTHALKAR AWANTI SAHEBRAO	Awanti
43)	KULTHE SNEHA PAWAN	Sneha
44)	KUTHE HEMAKSHI MAHESHKUMAR	Hemakshi
45)	LOMSOGE SAYUKTA PRASHANT	Sayukta
46)	MADAN MOKSHITA HARISH	Mokshita
47)	MALEWAR SOUMYA SUNIL	Soumya
48)	MANKAR MAITREYEE KISHOR	Maitreyee
49)	MARASKOLHE NETRA PRADEEPKUMAR	Netra
50)	MATE SHREYA SUDHAKAR	Shreya
51)	MESHARAM DIVYANI EKNATH	Divyani
52)	MORE DHANASHREE DEEPAK	Dhanashree
53)	NAIKWADE AASAWARI PRABHANJAN	A. Naikwade
54)	PANDEY DURGESH GOKUL	Durgesh
55)	PANDEY ISHIKA AMARNATH	Ishika
56)	PANDEY VISHAKHA SURENDRA	Vishaka



57)	PATHADE SARTHAK RAJENRA	Sarthak
58)	PAUL TANUSHREE KUMARESH	Tanushree
59)	PAWADE PRADNYA PURUSHOTTAM	Pradnya
60)	POUNIKAR SAKSHI ROSHAN	Sakshi
61)	RAKSHAK YUGANT LAXMAN	Yugant
62)	RAMTEKE ISHITA CHANDRASHEKHAR	Ishita
63)	RAUT NEHA BABURAO	Neha
64)	RAUT SALONI GIRISH	Saloni
65)	RAUT SANIKA DILIP	Raut
66)	ROHANKAR RIYA MUKESH	Riya
67)	SAMARTH TANVI YASHWANT	Tanvi
68)	SHARMA KANIKA GANGA	Kanika
69)	SHEIKH HUMERA AFROZ NASIR	Humera
70)	SONARKAR NEHA SANJAY	Sonarkar
71)	SONKULE ROMI VILAS	Romi
72)	THAKRE MAITHILI NARESH	Maithili
73)	TINKHEDE AISHWARYA SUNIL	Aishwarya
74)	TIWARI ACHAL ANUJ	Achal
75)	UPADHYE HARSHAL DILIP	Upadhye
76)	VAIKAR SAKSHI SHANKAR	Sakshi
77)	WAKDE NITESH SIDDHARTHI	Nitesh
78)	WAKULKAR VEDANTI DINESH	Vedanti
79)	WASNIK ASHIT NARESH	Ashit
80)	WASNIK GUNGAN LAXMAN	Gungun
81)	WASNIK YASH PRAMOD	Yash
82)	YADAV MAMTA SANTOSH	Mamta
83)	ZADE SANIKA CHANDRASHEKHAR	Zade



U.Bhad  
 Mayuri S. Bhad

## UG Department of Biotechnology

### Add on Course: Nutritional Biochemistry (Session 2022-23)

#### Theory Exam Multiple-Choice Questions (MCQs) Pattern

1. Which macronutrient is the primary source of energy for the body?
  - A) Carbohydrates
  - B) Proteins
  - C) Fats
  - D) Vitamins
  - **Answer: A) Carbohydrates**
2. What is the recommended daily intake of fiber for adults?
  - A) 5 grams
  - B) 10 grams
  - C) 25 grams
  - D) 50 grams
  - **Answer: C) 25 grams**
3. Which vitamin is essential for collagen synthesis?
  - A) Vitamin A
  - B) Vitamin C
  - C) Vitamin D
  - D) Vitamin K
  - **Answer: B) Vitamin C**
4. What metabolic disorder is characterized by insulin resistance and high blood sugar levels?
  - A) Type 1 Diabetes
  - B) Type 2 Diabetes
  - C) Hypothyroidism
  - D) Hyperthyroidism
  - **Answer: B) Type 2 Diabetes**
5. Which nutrient deficiency can lead to neural tube defects in newborns?
  - A) Folic Acid
  - B) Iron
  - C) Calcium
  - D) Vitamin B12
  - **Answer: A) Folic Acid**
6. Which of the following is a micronutrient?
  - a) Carbohydrate
  - b) Protein
  - c) Vitamin C
  - d) Fat
  - Answer: c) Vitamin C**
7. Glycolysis is the metabolic pathway for the breakdown of which nutrient?
  - a) Proteins

- b) Fats
- c) Carbohydrates
- d) Minerals

**Answer: c) Carbohydrates**

8. What is the recommended daily intake of water for an adult?

- a) 1 liter
- b) 2 liters
- c) 3 liters
- d) 4 liters

**Answer: b) 2 liters**

9. Which nutrient deficiency can lead to anemia?

- a) Vitamin C
- b) Iron
- c) Calcium
- d) Vitamin D

**Answer: b) Iron**

10. Which metabolic disorder is characterized by high blood sugar levels?

- a) Hypertension
- b) Diabetes mellitus
- c) Hyperthyroidism
- d) Arthritis

**Answer: b) Diabetes mellitus**

11. What is the role of proteins in the body?

- a) Energy storage
- b) Hormone production
- c) Structural component
- d) Vitamin synthesis

**Answer: c) Structural component**

12. Which nutrient is essential for bone health?

- a) Vitamin C
- b) Calcium
- c) Vitamin A
- d) Vitamin B12

**Answer: b) Calcium**

13. What is the function of antioxidants in the body?

- a) Promote inflammation
- b) Neutralize free radicals
- c) Increase oxidative stress
- d) Reduce cell damage

**Answer: b) Neutralize free radicals**

14. Which metabolic pathway produces ATP aerobically?

- a) Glycolysis



- b) Citric Acid Cycle (TCA cycle)
- c) Electron Transport Chain
- d) Anaerobic Respiration

**Answer: c) Electron Transport Chain**

15. How does fiber benefit digestive health?

- a) Increases cholesterol levels
- b) Reduces constipation
- c) Promotes fat absorption
- d) Lowers blood sugar levels

**Answer: b) Reduces constipation**

16) The energy needed for standing quietly is nearly

- a) 25 cal/hr
- b) 30 cal/hr
- c) 60 cal/hr
- d) 75 cal/hr

**Answer: B**

17) The melting point of the lipids is

- a) Lower
- b) Higher
- c) Normal
- d) Room temperature

**Answer: B**

18) The glycaemic index of the honey is

- a) 90-95
- b) 80-90
- c) 60-70
- d) 50-60

**Answer: B**

19) The recommended dietary allowance of fats is

- a) 400 g
- b) 70 g
- c) 56 g
- d) 60 mg

**Answer: B**

20) The average intake of fibres on daily bases is

- a) 20 g fiber
- b) 30 g fibers
- c) 40 g fibers
- d) 50 g fibers

**Answer: B**

21) Which of the following is not a macronutrient?

- a) Proteins
- b) Carbohydrates
- c) Fats
- d) Vitamins

**Answer: D**

22) Which of the following is a monosaccharide?

- a) Lactose
- b) Glucose
- c) Maltose
- d) Sucrose

Answer:b

23). Which of the following vitamins is fat-soluble?

- a) Vitamin A
- b) Vitamin B6
- c) Vitamin B12
- d) Vitamin C

Answer:A

24)Water soluble vitamins include:

- a) Carotenoids
- b) Ascorbic acid
- c) Vitamin D
- d) More than one of the above
- e) None of the above

Answer:B

25)Energy giving food' is :

- a) Food containing protein
- b) Food containing minerals
- c) Food containing carbohydrates
- d) More than one of the above
- e) None of the above

Answer:C



*MSBhad*

Ms. Mayuri Bhad  
Course- Coordinator  
Add on Course

## UG Department of Biotechnology

**Add on Course: Nutritional Biochemistry (Session 2022-23)**

### Practical Exam Question Paper:

**Subject** : Nutritional Biochemistry  
**Center** : S.S.E.S.A's Science College, Nagpur  
**Time** : 5hrs per day  
**Dates** : 20/03/2023

**Max. Marks: 40**

Q.1. Metabolic Disorders Case Studies	10
Q.2 Dietary Lab Analysis	10
Q.3. Viva-Voce	10
Q.4. Practical Record	10

**Total Marks 40**



*Ms. Mayuri Bhad*  
**Ms. Mayuri Bhad**  
Course- Coordinator  
Add on Course



**UG Department of Biotechnology**  
**Add-on Course : Nutritional Biochemistry (Session 2022-23)**  
**OMR Answer Sheet**


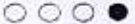


**Shri Shivaji Education Society, Amravati's**  
**SCIENCE COLLEGE**  
 Congress Nagar, Nagpur-12 (M.S.), India



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 Institutional Member of APQR  
 Recognized Centre for Higher Learning and Research  
 Mentor College under "PARAMARSHI Scheme", UGC, New Delhi

**U.G. DEPARTMENT OF BIOTECHNOLOGY**

<i>Add-on Course</i>	
Course Exam Name: Nutritional Biochemistry	
<b>Name of Student:</b> ..... <i>Shri. P. Ambale</i> .....	<b>INSTRUCTIONS FOR FILLING THE SHEET</b> 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. 4. Circles should be darkened completely and properly. 5. Cutting and erasing on this sheet is not allowed. 6. Do not use any stray marks on the sheet. 7. Do not use marker or white fluid to hide the mark.  <b>WRONG METHODS</b> <b>CORRECT METHOD</b>  
<b>Roll No.:</b> <input type="text"/> <input type="text"/> <input type="text"/>	
<b>Test Date:</b> 15/03/2023	
<b>Max. Marks:</b> 50	
<b>Invigilator Signature:</b> <i>ABhad</i>	
<b>Obtained Marks:</b> <input type="text" value="50"/>	

1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	11 <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D	21 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input checked="" type="radio"/> D	31 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	41 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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7 <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D	17 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	27 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	37 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	47 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
8 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	18 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	28 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	38 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	48 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
9 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	19 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	29 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	39 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	49 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
10 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	20 <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	30 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	40 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	50 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D

**UG Department of Biotechnology**  
**Mark List: Add-on Course- Nutritional Biochemistry**  
**(Session 2022-23)**

Sr. No.	Name of Student	Marks obtained out of 50 (Theory)	Marks obtained out of 40 (Practical)	Marks obtained out of 10 (Internal)	Total Marks 100	Grade
1)	AMBOLETRUPTIDNYANESHWAR	50	34	10	94	O
2)	ANASANEVAIDEHIGANESH	48	35	10	93	O
3)	ATILKARPRANAYDNANESWHAR	48	36	10	94	O
4)	BAGDEYASHIKA PRAMOD	42	35	10	87	A+
5)	BANSODSAMYAKDNYANESWATR	50	38	10	98	O
6)	BARASKARASHWINI UMESH	50	34	10	94	O
7)	BARDEVISHAPRAKASH	42	35	10	87	A+
8)	BHOYARHEMAD AJAY	44	35	10	89	A+
9)	BHUSHANKARMRUNALINARESH	42	34	10	86	A+
10)	BISENKAJALDEBLAL	50	38	10	98	O
11)	BOLEACHALANOOP	42	35	10	87	A+
12)	BONDESHRUTIVINOD	48	36	10	94	O
13)	BONDRETITHIKUSUMAKAR	44	35	10	89	A+



14)	BORKARDUSHANT RUSHI	50	34	10	94	0
15)	BRAHMANKARSMRUTISANJAY	49	34	10	93	0
16)	CHAUDHARIBHARVIVIKAS	42	35	10	87	A+
17)	CHAVHANAYUSHDILIP	48	36	10	94	0
18)	CHIKHALKARHARSHADAWASUDEV	44	35	10	89	A+
19)	DALVICHETNAKAILAS	50	34	10	94	0
20)	DHOBERIYA SATISH	49	34	10	93	0
21)	DHOREPARISAPRAMOD	50	35	10	95	0
22)	GHUGALRUSHALIGHANSHYAM	50	38	10	98	0
23)	GUJWARKHUSHBUPURANSINGH	49	34	10	93	0
24)	HAKIMSHAFINRAFIYODDIN	50	34	10	94	0
25)	HIWARKARRAUNAKKRISHNA	48	35	10	93	0
26)	INGOLENIKITABANDU	48	36	10	94	0
27)	ISHWARKARKANIKAYOGRAJ	42	35	10	87	A+
28)	JAITWARKAJALRATANLAL	50	38	10	98	0
29)	JAMBHULKARKALSHIKASUDESH	50	34	10	94	0
30)	JANGAMWAR ISHA VINOD	42	35	10	87	A+
31)	JIWANEGRECY CHANDU	44	35	10	89	A+



32)	JOSHIARYANSHRIPAD	42	34	10	86	A+
33)	KADAMDHADMAYURYOGESHWA R	50	38	10	98	0
34)	KADHAOMAYURIMURLIDHAR	50	35	10	95	0
35)	KALAMKARSHRAVANIMADHUKAR	50	38	10	98	0
36)	KALEGAURIATUL	49	34	10	93	0
37)	KAMBEARPIAVINASH	50	34	10	94	0
38)	KAMBLE KOMAL SANJAY	48	35	10	93	0
39)	KAWADE KHUSHI RAJU	48	36	10	94	0
40)	KELAPURE SAIPRIYARAMCHANDRA	42	35	10	87	A+
41)	KHOTSAMIKSHAGHANSHYAM	50	38	10	98	0
42)	KOTHALKARAWANTISAHEBRAO	50	34	10	94	0
43)	KULTHE SNEHA PAWAN	42	35	10	87	A+
44)	KUTHEHEMAKSHIMAHESHKUMA R	44	35	10	89	A+
45)	LOMSOGESAYUKTAPRASHANT	42	34	10	86	A+
46)	MADANMOKSHITAHARISH	50	38	10	98	0
47)	MALEWARSOUMYASUNIL	42	35	10	87	A+
48)	MANKARMAITREYEKISHOR	48	36	10	94	0
49)	MARASKOLHENETRAPRADEEPKU MAR	44	35	10	89	A+

50)	MATESHREYASUDHAKAR	50	34	10	94	0
51)	MESHARAMDIVYANIEKNATH	49	34	10	93	0
52)	MOREDHANASHREEDEEPAK	50	34	10	94	0
53)	NAIKWADEAASAWARIPRABHANJAN	48	35	10	93	0
54)	PANDEY DURGESH GOKUL	48	36	10	94	0
55)	PANDEYISHIKA AMARNATH	42	35	10	87	A+
56)	PANDEYVISHAKHA SURENDRA	50	38	10	98	0
57)	PATHADESARTHAKRAJENRA	50	34	10	94	0
58)	PAULTANUSHREEKUMARESH	42	35	10	87	A+
59)	PAWADEPRADNYAPURUSHOTTA M	44	35	10	89	A+
60)	POUNIKARSAKSHIROSHAN	42	34	10	86	A+
61)	RAKSHAKYUGANT LAXMAN	50	38	10	98	0
62)	RAMTEKEISHITACHANDRASHEKHAR	49	34	10	93	0
63)	RAUT NEHABABURAO	50	35	10	95	0
64)	RAUTSALONIGIRISH	50	38	10	98	0
65)	RAUT SANIKA DILIP	42	35	10	87	A+
66)	ROHANKARRIYAMUKESH	48	36	10	94	0
67)	SAMARTHTANVIYASHWANT	44	35	10	89	A+

68)	SHARMAKANIKA GANGA	50	34	10	94	0
69)	SHEIKH HUMERAAFROZ NASIR	49	34	10	93	0
70)	SONARKARNEHASANJAY	42	35	10	87	A+
71)	SONKULEROMIVILAS	48	36	10	94	0
72)	THAKREMAITHILINARESH	44	35	10	89	A+
73)	TINKHEDEAISHWARYA SUNIL	50	34	10	94	0
74)	TIWARIACHALANUJ	50	35	10	95	0
75)	UPADHYEHARSHAL DILIP	50	38	10	98	0
76)	VAIKARSAKSHISHANKAR	49	34	10	93	0
77)	WAKDENITESHSHIDDHARTH	50	34	10	94	0
78)	WAKULKARVEDANTIDINESH	48	35	10	93	0
79)	WASNIK ASHITNARESH	48	36	10	94	0
80)	WASNIK GUNGUN LAXMAN	42	35	10	87	A+
81)	WASNIK YASH PRAMOD	50	38	10	98	0
82)	YADAV MAMTASANTOSH	50	34	10	94	0
83)	ZADESANIKACHANDRASHEKHAR	42	35	10	87	A+

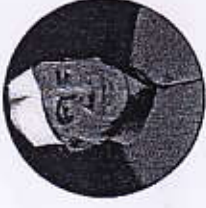


*MsBhad*  
**Ms. Mayuri Bhad**  
 Course- Coordinator  
 Add on Course





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## CERTIFICATE

Mr./Ku. Ambole Trupti Dnyaneshwar is awarded with certificate on successful completion of the course entitled, Certificate course in "Nutritional Biochemistry" Session 2022-23 under Add-on course conducted for 30 hours from 06/01/2023 to 11/03/2023 by Department of Biotechnology, SSESA's, Science College, congress Nagar, Nagpur 440012.  
He/She has passed the Examination with 'Q' Grade.

*MSBhad*

**Ms. Mayuri Bhad**

Coordinator, Department of Biotechnology



*M. P. Dhore*

**Prof. M. P. Dhore**

Principal, Science College, Nagpur