

## **Minutes of the Meeting of Board of Studies in Biochemistry (PG)**

### **PG and Research Department of Biochemistry**

A meeting of the Board of Studies in Biochemistry (PG) was held on Saturday, **9<sup>th</sup> November, 2022** at **3.30 P.M.** through **Google meet**. The meeting was started with a prayer led by **Dr. A. Jayaprakash. Dr. A.C. Gomathi** welcomed the gathering with her warm words. **Dr. A. Jayaprakash** expressed the words of gratitude.

#### **Members Present**

**Chair Person**            Dr. A.C. Gomathi

#### **Members**

1. Dr. A. Jayaprakash
2. Dr. M. Fernandus Durai
3. Dr. A. Poongothai
4. Dr. I. Niyas Ahamed
5. Dr. G. Sivaelango
6. Dr. V. Gopalakrishnan
7. Dr. K. Prabu
8. Mrs. K. Sheela

#### **University Nominee**

**Dr. Maria Arokianathan,**  
Head, Department of Biochemistry,  
St. Joseph College (Autonomous),  
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Email-ID: [pmanathan26@gmail.com](mailto:pmanathan26@gmail.com)

#### **Subject Expert**

**Dr. G. Jayanthi,**  
Professor & Head, Dept. of Biochemistry,  
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Mobile No: 9486254480  
Email-ID: [jayanthijr2011@gmail.com](mailto:jayanthijr2011@gmail.com)

## **Industrialist**

### **Dr. K. Ramalingam**

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Discoveree laboratory,  
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Email-ID: [ramesh@globalcalciumpharma.com](mailto:ramesh@globalcalciumpharma.com)

## **Alumni Representatives**

### **Dr. S. Selvaraj (Biochemistry),**

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Dept. of Biochemistry,  
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Thiruvallur. 602002.  
Mobile:7708268078  
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## **Student Representatives: II PG Biochemistry**

1. Shyam Chandar B – BP210910

## **Agenda**


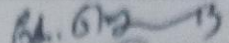
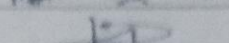
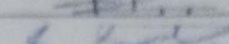


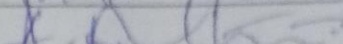
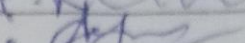
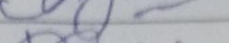
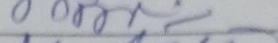
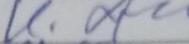
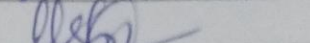
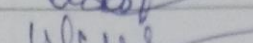
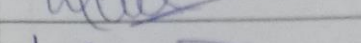
1. To review the Course objectives and course outcomes of revised syllabus for theory papers and practical's for the first and second year M.Sc. Biochemistry students admitted during the academic year 2021-2022 and thereafter.

## **Suggestions**

1. Some minor corrections were made in the course objectives and course outcomes in few papers
2. Feedbacks regarding the syllabus were collected from students representatives and board members

## **Resolutions**

1. The board resolved to recommend the corrections that have been suggested in the M.Sc. Biochemistry curriculum. The necessary corrections will be incorporated in e syllabus and also the suggestions will be carried out in next revision.

S.No.	NAME	MEMBER	SIGNATURE
1.	Dr. Maria Arokianathan	University Nominee	
2.	Dr. G. Jayanthi	Subject Expert	
3.	Dr. K. Ramalingam	Industrialist	
4.	Dr. S. Selvaraj	Alumni Representative	
5.	Dr. A.C. Gomathi	Chair Person	
6.	Dr. M. Fernandus Durai	Board Member	
7.	Dr. A. Poongothai	Board Member	
8.	Dr. A. Jayaprakash	Board Member	
9.	Dr. I. Niyas Ahamed	Board Member	
10.	Mr. G. Sivaelango	Board Member	
11.	Dr. V. Gopalakrishnan	Board Member	
12.	Dr. K. Prabu	Board Member	
13.	Mrs. K. Sheela	Board Member	
14.	Mr. B. Shyam Chandar	Student Representative	 B. Shyam Chandar.

**Minutes of the Meeting of Board of Studies in Biochemistry (PG)  
PG and Research Department of Biochemistry**

A meeting of the Board of Studies in Biochemistry (PG) was held on Saturday 31<sup>st</sup> March 2023 at 2.00. The meeting started with a prayer led by Dr. A. Jayaprakash. Dr. A.C. Gomathi welcomed the gathering with her warm words. Dr. A. Jayaprakash expressed the words of gratitude.

**Members Present**

**Chair Person**                      **Dr. A.C. Gomathi**

**Members**

Dr. A. Jayaprakash  
Dr. M. FernandusDurai  
Dr. I. NiyasAhamed  
Dr. G. Sivaelango  
Dr. V. Gopalakrishnan  
Dr. K. Prabu  
Mrs. K. Sheela

**University Nominee**                      **Dr. Maria Arokianathan,**  
  
Head, Department of Biochemistry,  
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Mobile No: 8608340307  
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**Subject Expert****Dr. G. Jayanthi**

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Krishnagiri- 635002

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Email-ID: [jayanthijr2011@gmail.com](mailto:jayanthijr2011@gmail.com)**Industrialist****Dr. G. Prem Kumar, Ph.D.,**

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Email-ID: [drpremkumar@crescentbiologicals.com](mailto:drpremkumar@crescentbiologicals.com)**Alumni Representative****Dr. C. Sharmila**

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Mobile: 8489019508

Email-ID: [sharmilife26@gmail.com](mailto:sharmilife26@gmail.com)**Student Representatives**II PG Biochemistry - **Shyam Chandar B** - BP210910**Member Absent**

Dr. A. Poongothai (Maternity Leave)

## **Agenda**

1. To review the overall syllabi of theory papers and practical's for the first and second year of M.Sc. Biochemistry and PGDMLT students admitted during the academic year 2021-2022.
2. To review the skill subject to be offered by the PG Department of Biochemistry to Don Bosco Center for skill development.
3. To collect and analyze the feedbacks regarding M.Sc., Biochemistry and PGDMLT curriculum from board members and student representatives.

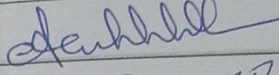
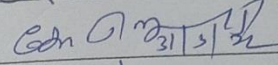
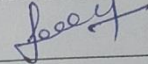
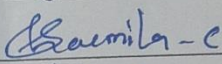
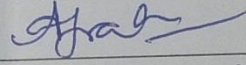
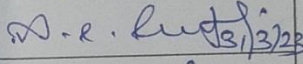
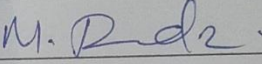
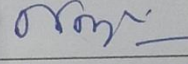
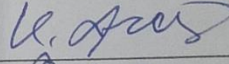
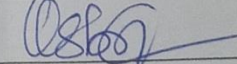
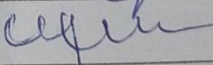
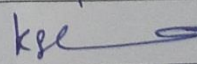
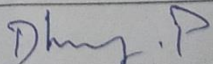
## **Suggestions**

2. It was suggested to provide Advanced Human Nutrition as the skill subject to Don Bosco Center for skill development.
3. Overall syllabi of theory papers and practical's of M.Sc. Biochemistry and PGDMLT were gone through. It was suggested to follow the existing syllabi of M.Sc. Biochemistry and PGDMLT curriculum.

## **Resolutions**

The board resolved to recommend the existing syllabi of M.Sc. Biochemistry and PGDMLT curriculum for forth coming years.

### UG BOARD MEMBERS LIST

S.No.	Name	Member	Signature
1.	Dr. A. Gokulakrishnan	University Nominee	
2.	Dr. G. Jayanthi	Subject Expert	
3.	Dr. G. Prem Kumar	Industrialist	
4.	Dr. C. Sharmila	Alumni	
5.	Dr. A. Jayaprakash	Chairman	
6.	Dr. A.C. Gomathi	Member	
7.	Dr. M. Fernandus Durai	Member	
8.	Dr. A. Poongothai	Member	MATERNITY LEAVE
9.	Dr. I. Niyas Ahamed	Member	
10.	Dr. G. Sivaelango	Member	
11.	Dr. V. Gopalakrishnan	Member	
12.	Dr. K. Prabu	Member	
13.	Mrs. K. Sheela	Member	
14.	Ms. P. Dhivya	Student Representative	

## **SKILL PAPER OFFERED BY THE PG DEPARTMENT OF BIOCHEMISTRY**

### **HUMAN NUTRITION AND DIETETICS**

**TOTAL HOURS : 30 Hours**

**PRACTICALS : 18 Hours**

**THEORY : 12 Hours**

#### **ELIGIBILITY:**

This course is open to all UG and PG students belonging to any discipline.

#### **COURSE OBJECTIVES:**

- Provides fundamental knowledge on Human Nutrition and hands-on training on Planning and calculating nutritive value of balanced diet for different age groups and for different disease conditions.

#### **COURSE OUTCOMES**

Students will be able to

- Maintain good nutritional status of normal as well as patients
- Modify the daily diet pattern of patients to meet their requirements.
- Recommend and provide appropriate nutritional care for prevention and treatment of the various diseases.

#### **CONTENTS:**

- Balanced diet
- Planning and calculating nutritive value of balanced diet for different age groups
  - Preschool age and Childhood,
  - Adolescence and
  - Geriatric
- Determining nutritional requirements for different physiological stages of life cycles
  - Pregnancy, Lactation and Infancy,
  - RDA,
  - Food exchange list.
  - Planning of diet for Pregnant and Lactating women.



- Enrichment and Fortification of daily diet and its importance.
- Nutrition for Skin and Hair, Planning and calculating nutritive value for healthy skin and hair.
- Bone Health and Nutrition, Planning and calculating nutritive value for Growth and development of bone.
- Sports Nutrition, Planning and calculating nutritive value for Sports person.
- Nutrition in Immunity- Role of nutrition in infections
- Planning of diets for following disease conditions:
  - Fever
  - Malabsorption disease
  - Diabetes Mellitus- IDDM and NIDDM
  - Ulcer
  - Anemia
  - Hypertension and Chronic heart diseases
  - Liver diseases and Pancreatitis
  - Kidney diseases

**EVALUATION:**

**Evaluation pattern will be**

**Fully Internal Evaluation (Total 100 Marks)**

**Test : 25 marks**

**Diet Chart Preparation : 25 Marks**

**Case Study Report : 50 Marks**

**Score of 40% is declared pass in the skill subject.**

**REFERENCE BOOKS:**

- (1) Betsy B. Holli Judith A. Beto, Krause's Food & the Nutrition Care Process, 13th edition, Saunders Elsevier, 2011.
- (2) Maurice Edward Shils, Moshe Shike, Lippincott Williams & Wilkins, Modern Nutrition in Health and Disease, Mc Graw Hill, 2006.
- (3) Martha H. Stipanuk, Biochemical, Physiological, and Molecular Aspects of Human, 2012.
- (4) Krause's Food & the Nutrition Care Process (Krause's Food & Nutrition Therapy), 13ed, Mahan, 2011.