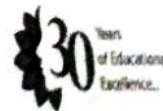




MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI
PG AND RESEARCH DEPARTMENT OF BIOCHEMISTRY
BRIDGE COURSE SYLLABUS (2023-2024)
FUNDAMENTALS OF BIOCHEMISTRY



OBJECTIVES

1. To provide elementary knowledge/overview of structure and functions and metabolism of Biomolecules.
2. Explain the structure and biochemical functions of different cell organelles of a eukaryotic cell.

UNIT- I

INTRODUCTION TO BIOCHEMISTRY

Scope and applications of Biochemistry. Specialized areas in Biochemistry.

UNIT-II

BIOMOLECULES AND BASIC METABOLISM

Carbohydrates, Proteins, Lipids, Nucleic acids, Vitamins and, Minerals. Metabolism- anabolism and catabolism.

UNIT-III

BASIC INSTRUMENTATION TECHNIQUES

Basics of instrumentation, principles, instrumentation, applications – colorimetric analysis, and centrifugation, Electrophoresis.

UNIT-IV: HEMATOLOGY

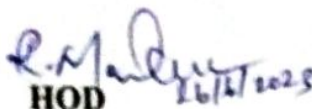
Composition and general functions of blood. Structure and functions of Hemoglobin. Normal values of Blood constituents.

UNIT-V JOB OPPORTUNITIES IN BIOCHEMISTRY

Values of Higher education for job opportunities. Research Scientist, Clinical Scientist, Research Associates, Biomedical Scientist, Pharmacologist and Laboratory Technician etc.

COURSE OUTCOME

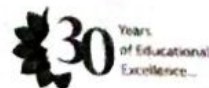
- Knowledge on scope and applications of Biochemistry
- Learn the different types of Biomolecules
- To know about basic instrumentations
- To know about Composition of blood
- Learn the values of higher education for job opportunities


HOD


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Tirupattur District.



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BRIDGE COURSE SYLLABUS (2023-2024)
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DAY ORDER	I	II	III	IV	V	VI
I	Introduction to Biochemistry	Communicative English	Sports / Yoga	Job Opportunities in Biochemistry	Communicative English	Nutritional Value
II	Biomolecules and Basic Metabolism	Communicative English	Sports / Yoga	Hematology	Communicative English	Stress Management
III	Basic Instrumentation Techniques	Communicative English	Sports / Yoga	Hematology	Communicative English	Counseling Stress
IV	Introduction to Biochemistry	Communicative English	Sports / Yoga	Job Opportunities in Biochemistry	Communicative English	Personality Management
V	Biomolecules and Basic Metabolism	Communicative English	Sports / Yoga	Introduction to Biochemistry Hematology	Communicative English	Stress Management

Name of the Handling Staff:

Introduction to Biochemistry- Ms.M.Renuka

Biomolecules and Basic Metabolism- Dr.M.Punithavathi

Basic Instrumentation Techniques- Dr.V.Magendramani

Hematology- Dr.M.Charumathy

Job Opportunities in Biochemistry- Ms.R.Malarkodi

S. Manu
22/6/23
HOD

22/6/23
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BRIDGE COURSE PHOTOS 2023-2024



GPS Map Camera

Peddakallupalli, Tamil Nadu, India
JJQ3+GMP, Peddakallupalli, Tamil Nadu 635751, India
Lat 12.638419°
Long 78.604071°
06/07/23 09:46 AM GMT +05:30

Google



R. Manu
HOD 27/7/23

H. Manu
27/7/23
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Bridge Course Attendance

Department : Biochemistry

Academic Year :2023-2024

Class: I B.Sc Biochemistry

Course Name: Fundamentals of Biochemistry

S.No	Name of the Student	Signature					
		03.07.2023	04.07.2023	05.07.2023	06.07.2023	07.07.2023	08.07.2023
1	Aarthi R	R.Aarthi	R.Aarthi	R.Aarthi	R.Aarthi	R.Aarthi	R.Aarthi
2	Abinaya M	M.Aife	M.Aife	M.Aife	M.Aife	M.Aife	M.Aife
3	Aiysha koanain A	Aiysha	Aiysha	Aiysha	Aiysha	Aiysha	Aiysha
4	Anitha V	Anitha V	Anitha V	Anitha V	Anitha V	Anitha V	Anitha V
5	Archana E	E.Archana	E.Archana	E.Archana	E.Archana	E.Archana	E.Archana
6	Ayisha siddiqua M L	Ayisha	Ayisha	Ayisha	Ayisha	Ayisha	Ayisha
7	Durga M	M.Durga	M.Durga	M.Durga	M.Durga	M.Durga	M.Durga
8	Gunavathi M	M.Gunavathi	M.Gunavathi	M.Gunavathi	M.Gunavathi	M.Gunavathi	M.Gunavathi
9	Janani P	P.Janani	P.Janani	P.Janani	P.Janani	P.Janani	P.Janani
10	Janani S	S.Janani	S.Janani	S.Janani	S.Janani	S.Janani	S.Janani
11	Jemila P	P.Jemila	P.Jemila	P.Jemila	P.Jemila	P.Jemila	P.Jemila
12	Jey Mercy G Joy mercy . G	G.Joy Mercy	G.Joy Mercy	G.Joy Mercy	G.Joy Mercy	G.Joy Mercy	G.Joy Mercy
13	Kowsalya V	V.Kowsalya	V.Kowsalya	V.Kowsalya	V.Kowsalya	V.Kowsalya	V.Kowsalya
14	Madhumitha S	S.Madhumitha	S.Madhumitha	S.Madhumitha	S.Madhumitha	S.Madhumitha	S.Madhumitha
15	Mehar Sulthana S	S.Mehar	S.Mehar	S.Mehar	S.Mehar	S.Mehar	S.Mehar
16	Neelaveni S	S.Neelaveni	S.Neelaveni	S.Neelaveni	S.Neelaveni	S.Neelaveni	S.Neelaveni
17	Oormila M	M.Oormila	M.Oormila	M.Oormila	M.Oormila	M.Oormila	M.Oormila

18	Pavithra G	P. Pavithra	P. Pavithra	P. Pavithra	P. Pavithra	9	9
19	Poongodi B	B. Poongodi	B. Poongodi	B. Poongodi	B. Poongodi	B. Poongodi	B. Poongodi
20	Poornima S	S. Poornima	S. Poornima	S. Poornima	S. Poornima	S. Poornima	S. Poornima
21	Poornima V	9	9	V. Poornima	V. Poornima	V. Poornima	V. Poornima
22	Puvitha C	C. Puvitha	C. Puvitha	9	C. Puvitha	C. Puvitha	C. Puvitha
23	Ramya J	J. Ramya	J. Ramya	J. Ramya	J. Ramya	J. Ramya	J. Ramya
24	Rizwana Parveen N	N. Rizwana	N. Rizwana	N. Rizwana	N. Rizwana	N. Rizwana	N. Rizwana
25	Sandhya M.S	9	Sandhya M.S	Sandhya M.S	Sandhya M.S	9	Sandhya M.S
26	Saniya Sadaf M	M. Saniya Sadaf	M. Saniya Sadaf	M. Saniya Sadaf	M. Saniya Sadaf	M. Saniya Sadaf	M. Saniya Sadaf
27	Saranya S	S. Saranya	S. Saranya	S. Saranya	S. Saranya	S. Saranya	S. Saranya
28	Saraswathy B	B. Saraswathy	B. Saraswathy	B. Saraswathy	B. Saraswathy	B. Saraswathy	B. Saraswathy
29	Sathiya Priya M	M. Sathiya Priya	M. Sathiya Priya	M. Sathiya Priya	M. Sathiya Priya	M. Sathiya Priya	M. Sathiya Priya
30	Shabnam R	R. Shabnam	R. Shabnam	R. Shabnam	R. Shabnam	R. Shabnam	R. Shabnam
31	Shalini K	K. Shalini	K. Shalini	9	K. Shalini	K. Shalini	K. Shalini
32	Sharmila P	P. Sharmila	P. Sharmila	P. Sharmila	P. Sharmila	P. Sharmila	P. Sharmila
33	Sowmiya R	R. Sowmiya	R. Sowmiya	R. Sowmiya	R. Sowmiya	R. Sowmiya	R. Sowmiya
34	Swathi C	C. Swathi	C. Swathi	C. Swathi	C. Swathi	C. Swathi	C. Swathi
35	Swathi P	P. Swathi	P. Swathi	P. Swathi	P. Swathi	P. Swathi	P. Swathi
36	Tamilarasi K	K. Tamilarasi	K. Tamilarasi	K. Tamilarasi	K. Tamilarasi	K. Tamilarasi	K. Tamilarasi
37	Vaishnavi S	S. Vaishnavi	S. Vaishnavi	S. Vaishnavi	S. Vaishnavi	S. Vaishnavi	S. Vaishnavi
38	Varsha V	V. Varsha	V. Varsha	V. Varsha	V. Varsha	V. Varsha	V. Varsha
39	Vennila S	S. Vennila	S. Vennila	S. Vennila	9	S. Vennila	S. Vennila
40	Vidhya M	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya
41	Vishnupriya M	M. Vishnupriya	M. Vishnupriya	M. Vishnupriya	M. Vishnupriya	M. Vishnupriya	M. Vishnupriya

R. P. Reddy
10/11/23
Class Incharge

R. M. N. N.
10/11/23
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Bridge Course Feedback

Department : Biochemistry

Academic Year :2023-2024

Class: I B.Sc Biochemistry

Course Name: Fundamentals of Biochemistry

S.No	Name of the Student	Feedback
1	MEHAR SULTANA.S	Compare to other Subject, It was easy to understand.
2	Vidhya.M	Excellent, Teaching is very good.
3	P.Suathi	coaching is superb clearly understood
4	Aishwarya Kanan.A	This subject is new to learn and it is useful to me.
5	Poornima.S	this subject is very interesting to learn and good teaching.
6	Kowsalya.V	I felt that this subject was difficult to me, but after practising to read, it was very easy.
7	Saranya.S	It is very helpful to. In my life
8	Ramya.J	fabulous class
9	Gunavathi.M	Improves my knowledge.
10	Aarthi.R	clearly understood, best teaching

R. Padma
Class Incharge 10/11/23

P. Ramesh
HOD 10/11/23

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