

S.R.R&C.V.R Govt. Degree College

DEPARTMENT OF BIOCHEMISTRY

BOARD OF STUDIES- AY 2019-20
DATE - 19/02/2019



For program MBC

SRR & CVR GOVERNMENT DEGREE COLLEGE (AUTONOMOUS)

Vijayawada 520004

Minutes of the meeting of the Up gradation of syllabus in the subject of

BIOCHEMISTRY

The meeting of in the subject of
BIOCHEMISTRY was held on 19th February 2019 in Dept. of Biochemistry,
SRR & CVR Govt. Degree College (Autonomous), Vijayawada 520004.

The following members attended the meeting;

LIST OF BOS MEMBERS

S.NO	NAME	QUALIFICATION	DESIGNATION	ADDRESS
1.	Mrs. Syed Vaziha Tahaseen	M.Sc, M.Phil, B.Ed	Chairman	I/c. Dept. of Biochemistry SRR & CVR GDC (Autonomous).
2.	Dr. J. Rajeswari	M.Sc, Ph.D	University Nominee	HOD, Dept. of Biochemistry, ANU, Guntur
3.	Dr. P. Kiranmayi	M.Sc, M.Phil, Ph.D	Subject Expert	Asst. Professor, Dept. of Biochemistry, ANU, Guntur
4.	Mrs. Dorika Vijaya Kumari.B	M.Sc, B.Ed	Subject Expert	I/c. Dept. of Biochemistry GCW (Autonomous), Guntur

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AIMS AND OBJECTIVES OF THE COURSE

Aims:

- Understand the scientific basis of life processes at the molecular level.
- Orient towards the application of knowledge acquired in solving clinical problems.

OBJECTIVES:

Knowledge Based:

- Broad understanding of fundamental biological processes
- Describe the molecular & functional organization of a cell & list its sub cellular components.
- Delineate structure, function & interrelationship of various biomolecules & consequences of deviation from normal.
- Summarize the fundamental aspects of enzymology & clinical applications wherein regulation of enzymatic activity is altered.
- Describe digestion & assimilation of nutrients & consequences of malnutrition.
- Integrate the various aspects of metabolism & their regulatory pathways.
- Explain biochemical basis of inherited disorders with their associated sequelae.
- Outline the molecular mechanisms of gene expression.
- Describe the principles of genetic engineering & their applications in medicine.
- Summarize the molecular concepts of body defenses & their applications in medicine.
- Familiarize with principles of various lab investigations & instrumentation analysis & interpretation of a given data.
- Suggest experiments to support theoretical concepts & clinical diagnosis.

Skill Based:

- Make use of conventional techniques/instruments to perform biochemical analysis relevant to clinical screening & diagnosis.
- Demonstrate the skills of solving scientific & clinical problems & decision making.
- Prepare students for higher studies or for employment in industry, academia.

Integration:

- Integrate molecular events with structure & function of the body in health & disease.

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Discussions in Bos conducted on 19/2/2019

Discussions made on the Krishna University biochemistry CBCS syllabus for SEM V and SEM VI

The chairperson of the BoS Sd V Tahaseen welcomed the members and introduced the Krishna university syllabus for semester V paper V and Paper VI and semester VI paper VII

As per the feedback report received from the stakeholders on 2017-18 ,SEM 3 and SEM 4 syllabus minor revisions were carried out

Sem V and VI syllabus were taken from Krishna university syllabus and major changes were made.

Sem V -Paper V Immunology & Endocrinology

University nominee Dr. Rajeswari suggested to add immune response in unit 1

Subject expert Dr. P. Kiranmayi suggested that Antigen and antibody reactions are specified to agglutination, precipitation, ELISA and RIA

Mrs. Dorka Vijaya Kumari proposed to permit the hormones of the reproductive system only to estrogen and progesterone.

Sem V Paper VI - Molecular biology and r DNA technology

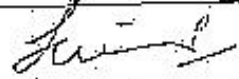
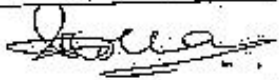
As per the suggestion of university subject expert Dr. Kiranmayi the concept of gene introduced

Dr. Rajeswari suggested for post translational modifications

All BoS members proposed to keep the production of insulin and growth hormone as a part of animal biotechnology and production of Bt cotton and golden rice as examples for agricultural biotechnology.

Resolutions:

1. Resolved to adopt the present University CBCS syllabus for semester V course with the suggested modifications.
2. Resolved to approve the division of marks for internal and external examination along with the suggested blue print and model paper.
3. Resolved to approve the list of paper setters and examiners submitted by the department

S.NO	NAME	DESIGNATION	SIGNATURE
1.	Mrs.Syed Vazilha Tahaseen	Chairman	
2.	Dr. J. Rajeswari	University Nominee	—
3.	Dr. P. Kiranmayi	Subject Expert	
4.	Mrs. Dorka Vijaya Kumari.B	Subject Expert	


Principal