

BOS OF BIOTECHNOLOGY FOR THE YEAR 2017-18




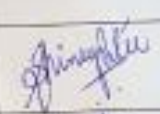
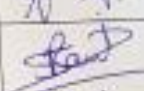

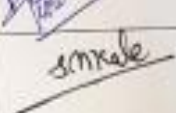

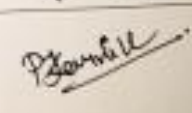


Sr. No	Name of the member	Designation
1.	Ms. Supriya Kale	Head Dept. of Biotechnology, Ramnarain Ruia Autonomous College
2.	Ms. Pramada Karnik	Assistant Professor, Department of Biotechnology
3.	Ms. Navjeet Kaur Lotey	Assistant Professor, Department of Biotechnology
4.	Dr. Tara Menon	Head, Department of Biotechnology , SIES college – Subject expert
5.	Dr. Sneha Panvalkar	Head, Department of Biotechnology, Khalsa College – Subject expert
6.	Dr. Archana Rath	Head, Department of Biotechnology , University of Mumbai – University representative
7.	Dr. Shiney Peter	Head, Department of Biotechnology, St. Xavier's College – Subject expert
8.	Dr. Supriya Raut	Senior Research Scientist, Zydus - Industry expert
9.	Mr. Viraj Tawsalkar	Product Manager – Alkem, Industry Expert
10.	Ms. Prajkta Pardhi	Student representative: MSc II Biotechnology
11.	Ms. Amulya Dalvi	Student representative : TYBSC Biotechnology

RAMNARAIN RUIA AUTONOMOUS COLLEGE

ATTENDANCE FOR BOS MEETING

03rd MARCH, 2018, 1.30 p.m.

Venue: Department of Biotechnology

SR.NO	NAME OF THE MEMBER	DESIGNATION	SIGNATURE
1.	Dr. Tara Menon	Assistant Professor, Dept. of Biotechnology, SIES college, Sion.	 3/3/18
2.	Dr. Sneha Panvalkar	Assistant Professor, Dept. of Biotechnology, Khalsa college (Matunga E)	
3.	Dr. Archana Rath	Head, Dept. of Biotechnology, university of Mumbai	
4.	Dr. Shiney Peter	Assistant Professor, Dept. of Biotechnology, St. Xavier's college	
5.	Dr. Supriya Raut	Senior Research Research Scientist	
6.	Mr. Viraj Tavalkar	Product Manager	
7.	Ms. Supriya Kale	Head, Dept. of Biotechnology, Ramnarain Ruia Autonomous College	
8.	Ms. Navjeet Kaur Lotey	Assistant Professor, Dept. of Biotechnology, Ramnarain Ruia Autonomous College	
9.	Ms. Pramada Karnik	Assistant Professor, Dept. of Biotechnology, Ramnarain Ruia Autonomous College	
10.	Ms. Prajakta Pardhi	Student Representative	
11.	Ms. Amulya Dalvi	Student Representative	

S. P. Mandali's

RAMNARAIN RUIA AUTONOMOUS COLLEGE

AGENDA FOR BOS MEETING

03rd MARCH, 2018, 01:30 p.m.

Venue: Department of Biotechnology

- 1. To revise, if needed, and pass the syllabus for all classes.**
- 2. To decide on the modalities of assessment which includes the question paper pattern, for internal and external examination.**
- 3. To approve earlier question papers set under autonomy.**
- 4. To consider internal component for practical examination from academic year 2018-19.**
- 5. To appoint the panel of examiners for semester end (double blind) theory and practical examinations for TY and MSc.**
- 6. Any other matter.**

Ms. Supriya Kale,

Head, Department of Biotechnology,

Ramnarain Ruia Autonomous College.

MINUTES OF THE SUBJECT BOARD MEETING

DEPARTMENT OF BIOTECHNOLOGY

DATE: 3rd MARCH 2018, TIME: 1.30pm

VENUE: DEPARTMENT STAFF ROOM

Headed By: Ms Supriya Kale

Attended by:

- 1) Subject expert- Dr. Tara Menon (Head, Dept. of Biotechnology, SIES college)
- 2) Subject expert- Dr. Shiney Peter (Asst Professor, Dept. of Biotechnology, St. Xaviers Autonomous college)
- 3) Industry expert- Mr. Viraj Tawsalkar (Product Manager, Alchem)
- 4) Industry expert- Dr. Supriya Raut (Sr. Scientist, MKTS global pvt.ltd)
- 5) Two senior teachers- Ms. Pramada Karnik, Ms. Navjeet Kaur
- 6) Two Student representatives- Ms. Prajakta Pardhi (M.Sc II), Ms. Amulya Dalvi (T.Y.B.Sc)

Leave of absence:

- 1) Dr. Archana Rath (Head, Dept. of Biotechnology, University of Mumbai)
- 2) Dr. Sneha Panvalkar (Head, Dept. of Biotechnology, G.N. Khalsa College)

Minutes of the meeting –

- 1) Minor changes in syllabus compared to 2017-2018.
- 2) The paper pattern was revised.
UG paper pattern- Each question is dedicated to one unit 20 M each which will be further subdivided in two sub questions (e.g 1a and 1b).
Mixed bag short note questions was decided to be removed.
- 3) Earlier question papers were approved and Instead of 100% options now 60% options will be followed.
- 4) Internal Practical Examination: Will be only for Undergraduate students and not for post graduate students: Internal practical component: 2 practical / paper (practical head)to be done by the students based on which the will be evaluated and journal marks to be included in this.

Class	Change	Justification
FY	Topics such as Cytoskeleton, Molecular Pharming, Rheology of Food Products, Growth Curve. Arithmetic Growth and Growth Yield. Measurement of Growth. Chemostat and Turbidostat are removed	Since the concept is new and heavy to understand at the F.Y level it is removed and can be included in further grades.
SY	<p>Topics such as Post Transcription in Eukaryotes, Post Translation Modifications, Protein Sorting. Eukaryotic RNA Polymerases; Eukaryotic Promoters; Transcription of other genes; Spliceosomes; RNA editing, Lytic / Lysogenic Regulation, Assay of Industrial Products, Energy Rich Compounds are removed.,</p> <p>(New unit of Product isolation and recovery has been introduced)(The previous unit has been split)</p> <p>Energy Rich Compounds are removed, Gluconeogenesis, Pentose phosphate pathway, Glyoxylate pathway& Reductive TCA has been removed, Biosynthesis of Epinephrine, Dopamine, Serotonin, GABA, Histamine, Glutathione has been removed,</p> <p>MS Word, Excel, Powerpoint and Coral Draw has been introduced in Bioinformatics unit.</p>	<p>These topics are vast and will be included in the further grades.</p> <p>Enhance basic computer and bioinformatics skills</p>
TY	<p>Theory: Additions of topics like Gluconeogenesis, Enzymes in gene cloning, Gene mapping, Centrifugation, Cell cycle phases and checkpoints, Necrosis, Cancer biology.</p> <p>Shuffling of units from paper. Shuffling of papers from Sem V to Sem VI and vice versa and corresponding practicals</p> <p>In Practical : Addition of practicals like Density gradient centrifugation, Starch estimation</p> <p>Removal of practicals: PCR, Serum cholesterol estimation</p> <p>Project proposal writing in Semester V on the basis of which they will project in Semester VI</p>	<p>Basic topics have to be introduced at TY level</p> <p>Covered in SY</p> <p>To enhance the writing skills in project proposal writing.</p>

MSc I	Cancer immunology introduced Molecular immunology modified	Importance of immune system with respect to cancer
MSc II	Biosynthesis- batch, continuous cultures, immobilized plant cell is removed	Not relevant to the unit

5). Panel of the examiners: those who have an experience of 1 year or more in assessment at university level will be appointed as examiners in case of unavailability of the below mentioned examiners .

1. Dr. Tara Menon
2. Dr. Sneha Panvalkar
3. Dr. Jacinta George
4. Dr. Shiney Peter
5. Dr. Rachana Acharya
6. Dr. Deepali Karkhanis
7. Dr. Tanya Mosez
8. MS. Smruti Thombre
9. Mr. Basil D'mello
10. Ms. Victoria
11. Dr. Sandhya Nambiar
12. Mr. Aditya Sarnaik
13. Ms. Vibha Udyawar
14. Ms. Norine D'souza

6. Proposal of Certificate Course of Bioenergy.

Evaluation pattern (2018-19)

Evaluation pattern 60:40 for all – Post graduate and Under graduate classes

Post graduate:

40 Marks internals

- 20 M Presentation/ Written assignment (Review writing or Problem solving)
- 20 M- Class test (Objectives)- 1 Question-2 Marks

60M external

- Q1- Q4 (Subjective) 15 Marks each from 4 units

Graduate:

40 Marks internals

- 20 M Assignment (model making/Survey/ poster or charts/ review writing/skit/ presentations/ animations)
- 20M Class test (objective)- 10M MCQs/ fill in the blanks/ Match the column/ true or false & 10M one sentence answer

60M external For FY and SY

- 20 Marks- 3 questions
- Q1- Q3: 5 Marks- Objective
15 Marks- Subjective

60 M external for TY

- 15 Marks- 4 questions
- 3 Marks- objective
- 12 Marks- subjective