

## **MINUTES OF ZOOLOGY BOARD OF STUDIES (BOS) MEETING HELD ON**

**SATURDAY, 15TH FEBRUARY, 2020 AT 11.30 AM**

### **VENUE: COMPUTER LAB. NO. 2**

1. The meeting was chaired by Dr. Roshan D'Souza, Head of Zoology and Chairperson of BoS. The Members present were Shri. Vinayak Dalvie, Dr. B.B. Nath, Dr. Akbar Dalvi, Dr. Aldon Fernandes and Ms. Nazia Choudhary. Dr. Roshan D'Souza also informed that Dr. Smita Krishnan and Shri. Peeyush Pahade cannot attend this meeting as they have some important commitments and have given their consent to go ahead with this meeting. Therefore, as the quorum was complete, the meeting was formally then started.
2. The agenda for the meeting was as follows:
  1. Welcome note by the Chairperson of BoS.
  2. Finalizing the minutes of the last meeting held on 27<sup>th</sup> August, 2019 and approval of the same.
  3. FYBSc - Semester I syllabus of Academic Year 2020-21 discussion.
  4. FYBSc Question paper pattern - Theory and Practical examinations.
  5. SYBSc - Semester III syllabus of Academic Year 2020-21 discussion.
  6. SYBSc Question paper pattern- Theory and Practical examination.
  7. Internal Assessment pattern
  8. Approval of Panel of paper setters and examiners for FY and SYBSc theory and practical examinations.
  9. Any other matter with the permission of the Chair.
3. Dr. R. D'Souza welcomed the members and discussed the minutes of the last BoS meeting held on 27<sup>th</sup> August 2019.
4. Dr. B. B. Nath suggested that feedback should be taken from the students at the end of the degree. He said that the recommendations from the feedback could be used while revising the syllabus.
5. Shri. V. Dalvie said that the first meeting of every semester could be used to discuss the syllabus for the entire year. The second meeting could be used for academic discussion, feedback and such other related matters.
6. Dr. R. D'Souza explained semester I syllabus. Dr. B.B Nath mentioned that the new system of classification should be used. Therefore terminology of Phylum Protozoa should not be used. It

should be changed to Kingdom Protista – Phylum Protozoa. He added that the term phylum Coelenterata should be replaced by phylum Cnidaria

7. Dr. R. D'Souza said that as per the suggestion of Dr. A. Fernandes we would try and purchase COMBISTAT software DBT STAR scheme.

8. Shri V. Dalvie suggested that cloning of cattle could be included in the syllabus. Dr B.B. Nath said that the subject of cloning should be introduced by taking Dolly as the first cloned animal and then other indigenous examples should also be incorporated.

9. Dr. A. Fernandes said that high performance thin layer chromatography could be introduced as a practical. He said that Aquilent and Schimazdu kits are available.

10. Dr A. Fernandes said that student should be taught about gradient gels. Dr D'Souza said that we could explore the possibility of interdepartmental activity where M. Sc. students could demonstrate this technique to our FYBSc students. Dr. A. Dalvi suggested that this activity could be an additional activity under STAR.

11. Dr A. Fernandes said that student should be informed if the scientific names of animals are changed while teaching the topics related to ecology and biodiversity.

12. Dr B. B. Nath pointed out a spelling error that there should be a hyphen between Beer and Lambert.

13. Dr. A. Fernandes suggested that laminar flow techniques should be a part of aseptic technique. Ms. Nazia Chaudhary said that practicals requiring aseptic technique could be conducted under laminar air flow. Dr R. D'Souza informed the committee that Sophia College has a common instrument lab with a laminar flow. So we could introduce students this technique besides the routine one.

14. Dr. A. Fernandes said that the importance of error bars should be explained to the students of FYBSc Biostatistics.

15. Dr R. D'Souza then explained the semester III syllabus. Dr B.B. Nath said that the term class mammals should be corrected as Mammalia in 1.1.5 of Paper 1.

16. Dr. A. Fernandes said that in unit 2 of paper 1, technique of cryopreservation should be stressed. Ms. Nazia Choudhary added that surrogacy should also be discussed in detail.

17. Dr R. D'Souza welcomed the suggestion of introducing CPCSEA, IEAC in the syllabus of paper 3 unit 1- 1.4.1. Dr. A. Fernandes also suggested that conflict due to funding in research can also be touched upon.

18. All the members suggested that in zoonosis - Coronavirus should be included given the present scenario and even Nipah virus disease could be included in paper 3, unit 2 -2.5 which

should have the title as zoonosis instead of parasitological significance. Dr. A. Fernandes also said that influenza could be also be touched upon. He said that the student should understand the do's and don'ts during an influenza outbreak.

19. Ms. S. Kadiru and Dr. A. Fernandes agreed that students should be taught about certain interesting adaptations that have emerged due to impact of pollution while teaching topic of plastic pollution in paper 3 unit 3 – 3.6 such earthworms which feed on plastic and honey bees which have started using plastic to make honeycomb.

20. Dr. A. Fernandes said that the names of the viper snakes could be specified in practical . Similarly Dr B.B. Nath and Shri V. Dalvie said that Cobra and King Cobra both should be incorporated.

21. Dr. B.B. Nath suggested that instead of mounting of Barr body, it would be more appropriate to word it as study of Barr body from buccal epithelial cells

22. The theory and practical exam paper pattern was discussed. There was a suggestion that Viva should be changed to Viva voce. The theory and the practical examination pattern were approved by Shri. V. Dalvie and all the other members.

23. Dr R. D'Souza and Ms. Kadiru were approved by the committees to be on the panel of paper setters and examiners for both theory and practical examinations of FYBSc and SYBSc Zoology.

24. Dr B.B. Nath requested that a soft copy of the syllabus and the minutes of the meeting should be mailed to all the members. Dr. R. D'Souza mentioned that as soon the syllabus is approved by the Academic Council, these wil be mailed to all the members.






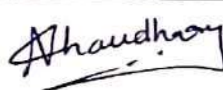

25. All the BoS members present suggested that TYBSc Zoology should be introduced for the students of Sophia College as the zoology syllabus of FY and SY was very well framed and with TY introduced, the students will get a very good foundation of zoology subject through this department of Sophia college.

26. Dr. B. B. Nath was congratulated by all the members for his recently published book based on biology crossword which could be a great resource for an interesting way of teaching and learning.




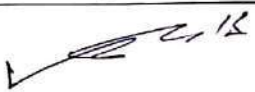

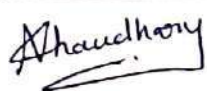
27. The meeting concluded with Dr. R. D'Souza thanking all the members present for the meeting. She expressed, on behalf of the department and Principal, Dr. (Sr.) Ananda Amritmahal, sincere gratitude to Shri. Vinayak Dalvi, Vice-Chancellor's nominee on the present BoS for all his guidance in framing the syllabus under autonomy as he would be superannuating in May, 2020.

## RESOLUTION

**“The Subject Board in ZOOLOGY for Sophia College (Autonomous), hereby approve the syllabus for the course of Zoology of the FYBSc and SYBSc for the Academic Year 2020-21 at the meeting held on 15<sup>th</sup> February 2020.**

Name	Designation	Signature
Dr. Roshan D'Souza	Chairperson, Board of Studies	
Shri. Vinayak V. Dalvie	The Vice-Chancellor's Nominee	
Ms. Sandhya Kadiru	Senior teacher	
Prof. Bimalendu B. Nath	Subject Expert (outside the Parent University)	
Dr. Peeyush Pahade	Subject Expert (outside the Parent University)	—
Dr. Aldon Fernandes	Representative from Industry	
Ms. Nazia Chaudhary	Post-graduate alumna	
Dr. Smita Krishnan	Other member of faculty	—
Capt.(Dr.) Akbar Dalvi	Other member of faculty	

**Attendance Record of meeting of the members of the Zoology Board of Studies held on Saturday 15<sup>th</sup> February 2020 at 11.30 am in Suman Tulsiani Research Centre Conference Room**

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Dr. Roshan D'Souza	Chairperson, Board of Studies	
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