

THE NATIONAL DEGREE
COLLEGE Autonomous **BASAVANAGUDI,**
BANGALORE- 560 004 *Department of*
Physics BOS

**2019-
20**

Proceedings of the Board of Stuttering in Physics held on 03.06.2019

- ❖ Head of the Department **Prof. Mohamed Saleem** welcomed the members of BOS.
- ❖ Syllabus for III and IV semester B.Sc. Physics-papers 301, 302 & 401, 402 to be adopted from 2018-2019 were discussed in detail.

Following changes were incorporated in Paper III and IV

Paper III

- ❖ Dr. KamsaliNagaraja, Dr. AS Govind, Prof. SreedharaSwamy suggested to remove chapter -2 (Unit-II) "Electrostatics". Second chapter was named as "Vector Calculus" (4hours) and Third chapter as "Electromagnetism" (9 hours). In Electromagnetism "**the propagation of electromagnetic waves in conducting medium-Skin Effect**" was introduced.

Paper IV

- ❖ In Paper IV first chapter was renamed as "**Elastic Waves**" with the removal of Quinke's method of velocity of sound and effect of wind velocity and temperature on velocity of sound waves. The second chapter was named as "Acoustics" With emphasis on the three different types of Transducers and **Dr. Govind A.S.** and **Dr. Shobha Devi. S.N.** Suggested to include the topic "**Acoustics of auditorium- Sabines formula**"
- ❖ **Dr. KamsaliNagaraja** and **Dr. Govind. A.S** suggested to include the concept "**production of coherent sources by division of wave front and division of amplitude**" in fifth chapter of Unit II. The redistribution of number of teaching hours was

incorporated for 5th and 6th chapters of Unit II & for 8th and 9th chapters in Unit IV.

❖ **Dr. P Raghothama Rao** suggested to include chapter on Magnetic materials, it was decided to include in V and VI semester papers.

The above changes were approved and incorporated.

❖ **Dr. KamaliNagaraja** has brought following facts to the members:

(i) Credits should be awarded for both theory and practical based on teaching hours and maximum marks to be awarded. * 1 credit for theory with one hour per week and for 25 marks. *1 credit for practical with one hour per week and for 50 marks.

(ii) The passing marks for the paper of maximum marks of 70 should be 25 and not 24.

(iii) Choice of electives should be provided to the students in V and VI semesters.

❖ The members present in the meeting suggested to have a mandatory activity of self study during each semester with internal marks awarded for it. ❖ The meeting was ended with the vote of thanks by Dr. Y.C. Kamala.

Head of the department physics
Mohamed Saleem

PHYSICS Board of Studies meeting on 03/06/2019

Members attended

Sl. No. Name & Designation of the member Address

1. **Dr.KamsaliNagaraja**
Professor
Department of Physics

Rtd Scientist and Professor
Rtd Scientist of DRDO and
Professor at SJBIT,
Chikkaballapur (Dt)

J.B.Campus, Bangalore University
3. **Dr. S.N. Shobhadevi**
Bangalore - 560056
Associate Professor in Physics

2. **Dr.Raghothama Rao**

B.M.S College for Women

Bangalore-560004

4. **Dr.Govind A S**

Associate Prof. in Physics
The Vijaya Degree College
Basavanagudi, Bangalore-560 004

5. **Dr M SaiSudha**

6. **Prof. Mohammed Saleem**

Associate Professor and HOD of Physics
National College, Basavanagudi.

7. **Dr. D Gopalakrishna**

Associate Professor
National College, Basavanagudi.

8. **Dr. Y.C.Kamala**

Associate Professor
National College, Basavanagudi.

9. **Prof.B.V.Sridharaswamy**

Associate Professor of Physics
National College, Basavanagudi.

10. **Prof.AchuthaRaju**

Assistant Professor of Physics
National College, Basavanagudi.

2018-19 Proceedings of the BOS meeting in Physics held on 24-05-2018

❖ Head of the Dept **Prof. Mohamed Saleem** welcomed all the members of BOS.

❖ Syllabus for I and II semester B.Sc., Physics-papers 101, 102, 201 & 202 to be adopted from 2018-2019 were discussed in detail.

❖ **DrRamkrishnaDamle**, nominated by the University, suggested including the first and second order phase transition in thermodynamics. He also suggested to add the measurement of low temperature using platinum resistance thermometer.

❖ Members approved the inclusion of central and non central forces with examples.

❖ **DrGovind A. S.** suggested having a realignment of the syllabus in unit I of paper 101.

❖ **Dr Y C Kamala** suggested having more emphasis on the Fourier analysis as this method

is widely used in the signal processing and the board approved it after detailed discussion. ❖ **DrShobha Devi**

adding new experiments in paper 102 and additions were

approved by the board. ❖ **Dr Raghothama Rao** explained the requirements of the industry and felt the necessity

having updated version of liquefiers in low temperature physics.

❖ The meeting was concluded with the vote of thanks by **Prof Mohamed Saleem**.

Head of the department physics

Mohamed Saleem

PHYSICS Board of Studies meeting on 24/05/2018

Members attended

Sl. No. Name & Designation of the member Signature

1. Dr. Ramakrishna Damle

Professor
Department of Physics J.B. Campus,
Bangalore University Bangalore – 560
056

2. Dr. Raghothama Rao

Rtd Scientist of DRDO and Professor at SJBIT,
Chikkaballapur (Dt)
Rtd Scientist of DRDO and
Professor at SJBIT,
Chikkaballapur (Dt)

3. Dr. S.N. Shobhadevi

Associate Professor in Physics
B.M.S College for Women
Bangalore-560004

4. Dr. Govind A S

Associate Prof. in Physics
The Vijaya Degree College
Basavanagudi, Bangalore-560 004

5. Dr M Sai Sudha

6. Prof. Mohammed Saleem

Associate Professor and HOD of Physics
National College, Basavanagudi.

7. Dr. D Gopalakrishna

Associate Professor
National College, Basavanagudi.

8. Dr. Y.C. Kamala

Associate Professor
National College, Basavanagudi.

9. Prof. B.V. Sridharaswamy

Associate Professor of Physics
National College, Basavanagudi.

2017-18 Proceedings of the BOS meeting in Physics held on 21-06-2017

- ❖ Head of the Dept **Dr Y.C.Kamala** welcomed the members of BOS.
- ❖ Syllabus for V and VI semester B.Sc., Physics-papers 501,502, 503,504, 601,602,603 & 604 to be adopted from 2016-2017 were discussed in detail.
- ❖ **Dr A S Govind and Dr Y C Kamala** suggested to add CC ,CB modes and its comparison with CE mode in Unit II of paper 501. **Dr Ramkrishna Damle** suggested to remove the topics related to circuit design aspects in the unit II. The suggestions were incorporated.
- ❖ **Dr Ramkrishna Damle** suggested to include Study of Raman spectra of CCl_4 in paper **504**. ❖ **Dr Ramkrishna P Raghobama Rao** suggested the restructuring of the syllabus for Nano materials and inclusion of high temperature superconductors and the same was approved.
- ❖ As per the suggestion from the members the Unit II of 603 titled Atmospheric physics was reorganized to include topics namely constituent gases and VMR, absolute and relative humidity, formation of cyclone and variation of pressure with altitude, .
- ❖ The meeting ended with the vote of thanks by Sri B.V.SreedharaSwamy.

Head of the department

Y.C.Kamala

PHYSICS Board of Studies meeting on 21/06/2017

Members attended

Sl. No. Name & Designation of the member Signature

1. **Dr.Ramakrishna Damle**

Professor
Department of Physics J.B.Campus,

Bangalore University Bangalore – 560
056

004

2. Dr.Raghothama Rao

Rtd Scientist of DRDO and Professor at SJBIT,
Rtd Scientist of DRDO and Professor
at SJBIT, Chikkaballapur (Dt)
Bangalore

3. Dr.S.N.Shobhadevi

Associate Professor in Physics
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4. Dr.Govindha A S

Associate Prof. in Physics
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Basavanagudi Bangalore-560

5. DrSaiSudhaMallur

6. Dr. Y.C.Kamala

Associate Professor and HOD
Department of Physics National
College, Baasavanagudi.

7. Prof.B.V.Sridharswamy

Assistant Professor
Department of Physics National
College, Baasavanagudi

2016-17 Proceedings of the BOS meeting in Physics held on 27-06-2016

- ❖ Head of the Dept **Dr D Gopalakrishna** welcomed all the members of BOS.
- ❖ Syllabus for III and IV semester B.Sc., Physics-papers 301,302, 401 & 402 to be adopted from 2016-2017 were discussed in detail.
- ❖ **DrRamkrishnaDamle** suggested changing the title of the papers with theory papers having T and practical papers with P so that III semester theory paper will be titled T 301 and practical paper P 302.
- ❖ Members felt the need for the increase in the marks allocated for the viva voce during the practical examination. **DrGovind A. S.** suggested forming a question bank for same.
- ❖ Members appreciated the use of ICT component in the laboratory course for II and IV semester students executed during the year 2015-16.
- ❖ **Dr Y C Kamala** suggested that a new activity of reading and comprehending of a research

paper of a scientist can be initiated for fifth semester and the other members endorsed the idea.

- ❖ Syllabus for the elective paper “**Physics in everyday Life**” (to be taught in 24 hours for one semester) was approved which is available for III semester students.
- ❖ The meeting ended with the vote of thanks.

[D.Gopalakrishna]

Chairman

PHYSICS Board of Studies meeting on 27-06-2016

Members attended

Sl. No. Name & Designation of the member Signature

- | | |
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| 1. Dr.RamakrishnaDamle
Professor
Department of Physics J.B.Campus,
Bangalore University Bangalore – 560
056 | Associate Professor
National College, Basavanagudi. |
| 2. Dr.S.N.Shobhadevi
Associate Professor in Physics
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Associate Professor and HOD
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College, Baasavanagudi. |
| 3. Dr.Govindha A S
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004 | 6. Prof.B.V.Sridharswamy
Assistant Professor
Department of Physics National
College, Baasavanagudi |
| 4. Dr. D Gopalakrishna | 7. Nethravathi K S
Lecturer
Department of Physics National
College, Baasavanagudi |

2015-16 Proceedings of the BOS meeting in Physics held on 30-06-2015

- ❖ Head of the Dept **Dr D Gopalakrishna** welcomed all the members of BOS.
- ❖ Syllabus for I and III semester B.Sc., Physics-papers 101,102, 201 & 202 to be adopted from 2015-2016 were discussed in detail and the necessary changes were incorporated.
- ❖ **Dr.RamakrishnaDamle** suggested to include real life problems while teaching various units.
- ❖ **Dr P Raghatham Rao** suggested adding illustrations associated with the industrial applications of the concepts.
- ❖ The modifications required to accommodate the CBCS pattern was discussed in detail.
- ❖ It was decided to have an elective as “ **Physics in everyday Life**” with the draft syllabus framed for 24 hours for one semester which is available for III semester students from June 2016 onwards.
- ❖ The meeting ended at 2 pm with vote of thanks.

[DGopalakrishna]

Chairman

PHYSICS Board of Studies meeting on 30-06-2015

Sl. No. Name & Designation of the member Address

1. **Dr.RamakrishnaDamle**

Professor
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2. **Dr.Raghothama Rao**

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4. Dr.B.S.Shylaja

Director Jawaharlal Nehru
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Jawaharlal Nehru Planetarium,
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The 9. Prof.B.V.Sridharswamy

National Degree college Associate Professor of Physics
Basavanagudi Bangalore – 560 004

6. Prof.V.Sathyabhama

Former HOD of Physics
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7. Dr.D.Gopalakrishna

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8. Dr.Y.C.Kamala

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10. Nethravathi.K.S Lecturer

Department of Physics The National Degree college Basavanagudi Bangalore – 560 004