MINUTES OF MEETING OF BOARD OF STUDIES

The meeting of Board of Studies in Physics (PG courses) has been held on 16-10-2015 at 11.00 am in the Department of Physics, Kakatiya University Warangal.

Members present:

1.	Dr. B. Venkatram Reddy	Chairperson
2.	Prof. A. S. Nageshwara Rao, Head	Member
3.	Prof. Khaja Althaf Hussain	Member
4.	Prof. N. Gopikrishna	Member
5.	Prof. G. Gangadhar Reddy	Member
6.	Dr. T. Thirumal Rao	Member
7.	Prof. J. Shiva Kumar	External Member
8.	Prof. R. Jeevan Kumar	External Member
9.	Dr. B. Jagadeesh	External Member
10.	Sri. P. Raghavendra Rao	External Member

Resolutions:

It is resolved

1. to approve the Semester pattern; the distribution of marks and credits for M. Sc (Physics) under choice based credit system (CBCS) with effect from 2015-2016 academic year.
2. to approve the syllabus of the paper entitled "Renewable energy resources" and offer in Semester-II as open elective for non-science PG courses under CBCS pattern from 2015-2016 academic year.
3. to approve the syllabus of the paper entitled "Bio-medical Instrumentation" and offer in Semester-IV as open elective for non-science PG courses under CBCS pattern from 2016-2017 academic year.
4. to approve the syllabus of the paper entitled "~~Foundation course in~~ Basic concepts of Physics" and offer in Semester-III as open elective for non-physics PG courses under CBCS pattern from 2016-2017 academic year.
5. to approve the syllabus of the special paper of Pre-Ph.D entitled "Molecular spectroscopy" .
6. to approve the panel of paper setters and valuers (internal and external) for open electives and foundation course in Physics of PG courses; General paper and Molecular spectroscopy of Pre-Ph.D.
7. to approve M.Sc question paper patterns as per the existing patterns of regular Physics exam paper.

16.10.15

MINUTES OF MEETING OF BOARD OF STUDIES

The meeting of Board of Studies in Physics (PG courses) has been held on 16-10-2015 at 11.00 am in the Department of Physics, Kakatiya University Warangal.

Members present:

1.	Dr. B. Venkatram Reddy	Chairperson
2.	Prof. A. S. Nageshwara Rao, Head	Member
3.	Prof. Khaja Althaf Hussain	Member
4.	Prof. N. Gopikrishna	Member
5.	Prof. G. Gangadhar Reddy	Member
6.	Dr. T. Thirumal Rao	Member
7.	Prof. J. Shiva Kumar	External Member
8.	Prof. R. Jeevan Kumar	External Member
9.	Dr. B. Jagadeesh	External Member
10.	Sri. P. Raghavendra Rao	External Member

Resolutions:

It is resolved

1. to approve the Semester pattern; the distribution of marks and credits for M. Sc (Physics) under choice based credit system (CBCS) with effect from 2015-2016 academic year.
2. to approve the syllabus of the paper entitled "Renewable energy resources" and offer in Semester-II as open elective for non-science PG courses under CBCS pattern from 2015-2016 academic year.
3. to approve the syllabus of the paper entitled "Bio-medical Instrumentation" and offer in Semester-IV as open elective for non-science PG courses under CBCS pattern from 2016-2017 academic year.
4. to approve the syllabus of the paper entitled "~~Foundation course in~~ Basic concepts of Physics" and offer in Semester-III as open elective for non-physics PG courses under CBCS pattern from 2016-2017 academic year.
5. to approve the syllabus of the special paper of Pre-Ph.D entitled "Molecular spectroscopy" .
6. to approve the panel of paper setters and valuers (internal and external) for open electives and foundation course in Physics of PG courses; General paper and Molecular spectroscopy of Pre-Ph.D.
7. to approve M.Sc question paper patterns as per the existing patterns of regular Physics exam paper.

16.10.15

Department of Physics, Kakatiya University offers "Renewable Energy Resources" as an open elective under 'Choice Based Credit System (CBCS)' for IV-Semester Non-Science PG courses for the academic year 2016-2017.

1. Open Elective paper carries 100 marks (20 marks for internal assessment examination and 80 marks for Semester end examination) equivalent to 04 credits.

2. The internal assessment question paper of Open Elective paper contains 10 compulsory questions carrying two marks each and Total marks are 20. The duration of internal assessment examination is 90 minutes. Answers should be written in the ascending order of question number only.

3. In open elective paper, the candidate should get a minimum of 40% marks to pass the examination including marks of internal assessment examination with a condition that the candidate should get a minimum of 40% marks in the semester end examination.

Syllabus and question paper pattern of Open Elective for IV-Semester Non-Science PG courses are enclosed herewith.

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3. 6/1/17
4.
5. 06.01.17

MINUTES OF THE MEETING OF BOARD OF STUDIES

In view of the letter No. 44/DFS/KUW/2017, dt. 31/5/2017, from the Dean, Faculty of Science, KU, the meeting of Board of Studies in Physics (UG courses) has been held on 05-6-2017 at 11.00 am in the Department of Physics, Kakatiya University, Warangal.

Members present:

1.	Dr. B. Venkatram Reddy	Chairperson
2.	Prof. G. Gangadhar Reddy	Head/Member
3.	Prof. N. Gopikrishna	Member
4.	Dr. G. Padmaja	Member
5.	Dr. N. Varalaxmi	Member
6.	Dr. Jai Kishan Ojha	Member
7.	Sri. Y. Devadasu	Member
8.	Sri. T. Prabhakar Rao	Member
9.	Prof. J. Shiva Kumar	External Member

Resolutions:

It is resolved

1. to approve to offer the papers entitled "Electromagnetism" as DSC (Compulsory paper); and 'Solid State Physics', 'Modern Optics' as DSE (Elective papers) in V-Semester, whereas the Papers entitled "Modern Physics" as DSC (Compulsory paper); and 'Basic Electronics' and 'Physics of Semiconductor Devices' as DSE (Electives papers) in VI-Semester along with corresponding practical papers in B.Sc (Physics) 3 yr course.

2. to approve to offer the papers entitled "Digital Electronics" as DSC (Compulsory paper); and 'Digital Communication' and 'Electronic Instrumentation' as DSE (Elective papers) in V-Semester, whereas the papers entitled "8085 Microprocessor and Applications" as DSC (Compulsory paper); and '8051 Microcontroller and Applications' and 'Optical Fiber Communication' as DSE (Electives papers) in VI-Semester along with corresponding practical papers in B.Sc (Electronics) 3 yr course.

3. to approve the syllabi of the papers of V and VI semesters of Physics and Electronics, mentioned in above paras, respectively under CBCS pattern so as to effect from the academic year 2018-19 i.e. for the students admitted in first year during 2016-2017 academic year.

1 05.6.2017 2 3 4 5 6 7 8

4. to approve to the scheme of question paper for Physics and Electronics in V and V semester.

5. to approve the panel of paper setters for Physics and Electronics of V and VI semesters who were on the rolls earlier.

6. However The Chairperson, BoS is authorized to appoint paper setters and examiners in case the examiners/paper setters are not available.

1/ 2/ 3/ 4/

5/ 6/ 7/ 8/

9/

7. It is resolved to enhance the ~~practi~~ Hours per week for conducting practicals from 2 Hrs to 3 Hrs in all papers of both physics and Electronics.

1 05.6.2017 2 3 4

5 7/6/17 6 7 8

9.

B.Sc. (Physics & Electronics)
CBCS pattern in Semester System (w.e.from 2016-2017)

DEPARTMENT OF PHYSICS
KAKATIYA UNIVERSITY
WARANGAL–506 009

Department of Physics, Kakatiya University offers Physics and Electronics as core subjects at UG level (3 Year course) with six semesters with internal assessment for theory papers under Choice Based Credit System (CBCS) in University constituent and affiliated colleges for the students admitted in first year from 2016-17 academic year.

1. Each of first four Semesters (i.e I, II III and IV) contains one theory core paper (20 marks for Internal Assessment and 80 marks for SEM End Exam equivalent to 4 credits) as Discipline Specific Course (DSC) and one practical paper (50 marks equivalent to 01 credit), whereas each of last two semesters (i.e V and VI) contains one theory core paper as DSC (15 marks for Internal Assessment and 60 marks for SEM End Exam equivalent to 3 credits), one theory elective paper as Discipline Specific Elective (DSE) (15 marks for Internal Assessment and 60 marks for SEM End Exam equivalent to 3 credits) and two practical papers (25 marks in each paper equivalent to 01 credit). For total six semesters in the course, the total marks are 1000 and credits are 40.

2. Internal exam should be conducted twice in every Semester.

2. Scheme for CBCS, work-load for each paper, distribution of marks and credits and scheme of question paper for both Physics and Electronics are shown below.

3. The practical examination will be conducted at the end of each semester. Each practical paper carries 50 marks equivalent to 02 credits. A minimum of 20 marks out of 50 is needed to pass the examination.

4. All the subject concerned theory papers and practical papers of both Physics and Electronics in I, II, III and IV semesters are common to all students. But, elective theory papers of Physics and Electronics in V and VI Semesters are to be chosen by the student from the available options.

5. Specializations will be offered at the beginning of Semesters V and VI. Each student has to choose one elective.

6. Internal marks in each paper will be taken ~~best~~ average of two internals in each semester

For approval by Circulation among the Members of BOS:

1. Prof. A.S. Nageshwar Rao — A.S.Rao 24/8/2016
2. Prof. N. Gopi Krishna — 24/8/16
3. Dr. G. Padmaja — G. Padmaja
4. Dr. N. VaraLaxmi
5. Mr. Y. Devadasu

Dr. B. Venkatram Reddy
Chairman, Board of Studies in Physics, KU, Wgl
Date: 24th Aug., 2016

o/c

Dr. B. Venkatram Reddy
Ph.D
Chairperson, Board of Studies

DEPARTMENT OF PHYSICS
Kakatiya University
Warangal – 506 009, Telangana

Lr. No. 601/Phy/UC/KU/2016-17

Date: 06/03/2017

To
The Director
Directorate of Admissions
Kakatiya University
Warangal

Sub: KUCET-2017 in Physics – Submission of Syllabus with division for Entrance Test for M.Sc (Physics) – Reg:

Sir,

With reference to the subject matter cited above, I am herewith enclosing the Syllabus of KUCET-2017 with division as Part A and Part B for admission into M. Sc (Physics). Both Part A and Part B carry 50 marks each in the Entrance Test. This may kindly be accepted and acknowledge the same.

Thanking you,

Yours sincerely,

CHAIRPERSON

20. M.Sc. (Physics / Engg. Physics &Instrumentation)

Vectors: Grad, div and curl operations with examples - Strokes and Gauss theorems.

Mechanics: Motion of Variable mass systems - Centre of mass and related kinematics - Collisions in one and two dimensions - Rutherford scattering - Work energy theorem.

Moment of Inertia: Inertia tensor, Euler's equations, symmetric top, Gyroscope.

Relativity: Michelson - Morley experiment - Lorentz transformations - Time dilation - length contraction - Einstein's mass - energy relation.

Simple Harmonic motion: Characteristics of simple harmonic motion - Analysis of complex vibrations - Damped and forced oscillations - Coupled oscillations - normal modes.

PART 'A'

Kinetic Theory and Thermodynamics: Maxwell's Velocity distribution - Laws of thermodynamics - Carnot's Engine - Entropy - Thermodynamic scale of temperature - Thermodynamic potentials - Maxwell's equations - Specific heats - Claussius - Clapeyron euation - Joule - Kelvin effect - Stefan Boltzmann's law - Thermoelectric effect (seebeck, Thomson and Peltier effects) - Thermoelectric diagrams - Methods of production of low temperatures - Adiabatic demagnetization - Black body radiation - Rayleigh - Jean's Wien's and Planck's laws of radiation.

50 - Marks

03.3.2017 Chairperson Board of Studies KA... Wa...

Interference: Coherence - Interference phenomenon - division of amplitude and wave fronts - Young's experiment - Lloyd's mirror - Newton's rings - Thin films - Michelson Interferometer - Fabry - Perot interferometer.

Diffraction: Fresnel and Fraunhoffer diffraction-Fresnel Kirchoff's integral theorem-Single and Double slits-Grating-Circular aperture-Half period zones-Diffraction at straight edge -Cornu's spiral.

Polarization: Double refraction - Nicol prism - quarter wave plate - Babinet's compensator - Optical activity.

Electrostatics: Gauss law and its applications - Electric potential - Potential due to a dipole - Spherical conductor and infinite line of charge - Dielectrics - Polarization - Gauss's law for dielectrics - susceptibility and dielectric constant.

Capacitance: Concentric spheres, cylindrical and parallel plate condensers.

Magnetostatics: Magnetic shell - Magnetic induction and field - Hysteresis loop - Hall effect - Cyclotron - principles of synchrocyclotron - Synchrotron - Force on current carrying conductor - Torque on a current loop - Ampere's law - Biot - Savart's law.

Digital Principles: Binary arithmetic, logic gates, Half and full address - De-Morgan's theorems.

A.C.Circuits: Electrical characteristics of LC, LR and LCR (series and parallel circuits) power factor-QFactor.

Electromagnetic Induction: Faraday's laws - Lenz's law - Ballistic galvanometer - damping correction - Self and mutual inductance - inductance of a solenoid and to roid principles of transformers.

50 - Marks

Electromagnetic waves: Maxwell's Equations - displacement current - transverse nature of electromagnetic waves - Poynting's theorem.

PART 'B'

Semiconductors: Continuity equation - junction diode - Zener diode. Transistor - CE, CB and CC configurations, h-parameters, concept of feedback.

Spectroscopy and Quantum mechanics: Vector Atom Model - LS and jj coupling schemes - spectra of alkali elements and alkaline earths, X-ray spectra, Rotational spectra &Vibrational spectra of dielectric molecules, Raman Effect, deBroglic hypothesis - Heisenberg's uncertainity Principle - Schrodinger wave equation - Solutions for infinite square well, potential step and potential barrier.

03.3.2017 Chairperson Board of Studies in Physics KAKATIYA UNIVERSITY Warangal- 506 009 (T.S.)

Nuclear Physics: Mass defect, packing fraction and binding energy - Liquid drop model - Semiempirical mass formula - Gammow's theory of alpha-decay - Nuclear reaction - Conservation laws - Classes of elementary particles.

Solid State Physics: Crystal systems, Bravais lattices, Miller indices - Bragg's law - NaCl, CsCl and diamond structures - Bonding in solids - Lattice energy of ionic crystals - Madelung's constant - Magnetic materials - dia, para and ferro magnetic materials - Langevin's theory of paramagnetism - Weiss model for ferromagenetism. Superconductivity, Meissner Effect.

MODEL QUESTION PAPER

Time : 90 Minutes *Max. Marks : 100*

The question paper consists of 100 questions in multiple choice covering the entire syllabus.

Choose the correct answer.

1) The force (F) on a current carrying conductor of length (l), placed in a magnetic field (B) is given by
   a) F = il/B b) F = ilB c) F = iB/l d) i/lB

ELIGIBILITY CRITERIA

M.Sc. (Physics / Engg. Physics &Instrumentation): Candidates must have passed B.Sc. Degree Examination conducted by the Kakatiya University or an examination recognized as equivalent by Kakatiya University with Physics subject and they must have secured at least 45% marks in subject concerned (40% for SC/ST).

03-3-2017 HEAD

O/C

MINUTES OF MEETING OF BOARD OF STUDIES

The meeting of Board of Studies in Physics and Electronics (UG courses) has been held on 25-06-2019 at 11.30 am in the Department of Physics, Kakatiya University Warangal.

Members

1. Smt. G. Manjula	Chairperson
2. Prof. B. Venkatram Reddy, Head	Member
3. Dr.A.Narender	Member
4. Dr.Paul Devadanam	Member
5. Sri.M.Kishore Kumar	Member
6. Dr.Vengal Reddy	Member
7. Prof. G.Prasad	External Member

Resolutions:

It is resolved

1. to approve the Grading system under CBCS of UG I and II Semester Physics and Electronics Courses .
2. to approve the syllabi of UG I and II Semester Physics and Electronics Courses.
3. to approve the question paper pattern of UG I and II Semester Physics and Electronics Courses.
4. to approve the maximum marks as 80 in semester End Theory Examination and 20 marks in Internal Examination.
5. To approve the maximum marks as 40% in both Semester End and Internal Examinations.
6. to approve the maximum marks as 50 in Semester End Practical Examination.
7. The above resolutions are approved for the UG I & II Semester Physics and Electronics with effect from 2019-2020 academic year.

1. 2. 25.6.19 3. 4.

5. 6.

7 sd/

MINUTES OF MEETING OF BOARD OF STUDIES

The meeting of Board of Studies in Physics and Electronics (UG courses) has been held on 24-08-2020 at 11.30 am in the Department of Physics, Kakatiya University Warangal.

Members

1.	Smt. G. Manjula	Chairperson
2.	Prof. B. Venkatram Reddy, Head	Member
3.	Dr.C.J.Sreelatha	Member
4.	Dr. G.Padmaja	Member
5.	Mr. M.Masood Ahmed Mahmoodi	Member
6.	Mrs. K.Sridevi	Member
7.	Prof.D.Karuna sagar	External Member

Resolutions:

It is resolved

1. to approve the Grading system under CBCS of UG I,II,III,IV,V and VI Semester Physics and Electronics Courses .
2. to approve the syllabi of UG I,II,III,IV,V and VI Semester Physics and Electronics Courses.
3. to approve the question paper pattern of UG I,II,III,IV,V and VI Semester Physics and Electronics Courses.
4. to approve the maximum marks as 80 in semester End Theory Examination and 20 marks in Internal Examination.
5. to approve the maximum marks as 40 in semester End and 10 marks in Internal Examination for SECs
6. to approve the maximum marks as 80 in semester End GE and Project/ Paper in lieu of project and 20 marks in Internal Examination.
7. to approve the minimum marks as 40% to pass in both Semester End and Internal Examinations.
8. to approve the maximum marks as 25 in Semester End Practical Examination.
9. The above resolutions are approved for the UG I,II,III,IV,V and VI Semester Physics and Electronics with effect from 2020-2021 academic year.

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5. 6. 7 sd/

draft syllabus of M.Sc (Physics)

The faculty members of the Physics department met today dated: 8th October 2021 at 11.00 a.m to discuss the syllabus revision (P.G).

Teacher's Present

1. Prof. B. Venkatram Reddy.
2. Dr. C.J. Sreelatha HOD
3. Dr. G. Padmaja BOS
4. Dr. N. Varalaxmi
5. Dr. A. Narender.
6. Dr. M. Narsimhulu.
7. Dr. E.V. Rao

Resolution: Collected syllabus related material from other universities, CSIR syllabus and UGC framed syllabus contained folder given to the teachers with their expertise subjects.

Signature of attended teachers.

1.

2.

3. G. Padma

4. 8/10/2021

5.

6.

7.

and circulate it among the members of BoS in Physics.

Staff meeting is held on 18.12.2021 at 3 P.M with the following members for second time to prepare the draft syllabi of M.Sc (Physics) Sem-I & Sem-II. So as to effect from 2021-22 academic year.

Teacher's Present

1. Prof. B. Venkatram Reddy
2. Prof. C.J. Sreelatha HOD
3. Dr. G. Manjula
4. Dr. G. Padmaja BoS
5. Dr. N. Vasalaxmi
6. Dr. A. Narender 7. Dr. E.V. Rao 8. Dr. M. Narsimhulu

Resolutions:

1. It is resolved to finalize the draft syllabi prepared by the teachers concerned by making some corrections.

2. It is resolved to circulate the final draft syllabi among the members of BoS in Physics for their approval due to Pandamic Prevailed and the commencement of academic year is very near for the year 2021-22.

Signatures of attended teachers:

1.
2.
3.
4.
5. 18/12/2021
6.
7.
8.

Meeting for the Preparation of draft syllabus of M.Sc Physics III & IV semesters, to circulate certificate courses (Dual mode) and P.G Physics course at SDLC among Bos Physics Board members.

Staff meeting is held on 22nd sept. 2022 at 3 p.m with the following members for to Prepare draft syllabus of P.G Physics semester III & IV, to discuss introducing of certificate Course (Dual mode) (regular and distance) and also Physics P.G course at SDLC.

Teacher's Present:

1. Prof. B. Venkatram Reddy.
2. Prof. C.J. Sreelatha HOD
3. Dr. G. Manjula
4. Dr. G. Padmaja Bos
5. Dr. N. Vasdlaxmi
6. Dr. A. Narender
7. Dr. E. Venkateshwar Rao
8. Dr. M. Narsimhulu

Resolutions:

1. It is resolved to do revise semester III & IV of P.G Physics course, so distributed syllabus to all faculty according to their expertise.

2. It is resolved to introduce certificate courses in (Dual mode) and Physics P.G. course at SDLC to circulate these courses to Bos Physics Board members.

Signatures of attended teachers:

1. 2. 3.

Circulate it among the BOS [illegible]

9

Staff meeting is held on 01/10/2022 at 12:00 N with the following members for second time to finalize the draft syllabi of M.Sc Physics semesters III & IV and to circulate among the BOS board members for approval. So as to effect from 2022-2023 academic year.

Teacher's present:

1. Prof. B. Venkatram Reddy
2. Prof. C.J. Sreelatha (HOD)
3. Dr. G. Manjula
4. Dr. G. Padmaja (BOS)
5. Dr. N. Varalaxmi
6. Dr. A. Narender
7. Dr. E. Venkateshwar Rao
8. Dr. M. Narsimhulu

Resolutions:

(1) It is resolved to finalize the draft syllabi Prepared by the teacher's concerned by making Some corrections.

(2) It is resolved to circulate the final draft syllabi among the members of BOS in physics for Their approval and the commencement of academic year is w.e.f. 2022-2023 for III & IV Sem. P.G. Physics.

Signatures of attended teachers:

(1) (2)

(3) (4) (5)

Departmental Conference is conducted in the Dept. of Physics, Kakatiya University campus on 23.01.2023 at 10.00 A.M as per the communication vide K.U Lr.No. 38/B3/KU/2023 dated 10/01/2023 with the faculty of the Department and the representatives of Govt. and affiliated colleges offering Physics Under K.U jurisdiction and discussed the agenda in a nut-shell manner. The following resolutions are made accordingly.

1. Syllabi of four semesters (I, II, III & IV) is discussed and resolved to make minor modifications as suggested.

2. Practicals should be conducted in time in all semesters as per the prescribed syllabi. Unless the required number of Practicals are conducted in a college. Practical exams will not be conducted at that college.

3. A Faculty development Program will be held on MATLAB in near future as it is newly introduced in the syllabus for both theory and practicals.

4. University administration shall be requested to take necessary action to appoint external examiner for Practical examination during even semesters invariably along with a faculty from the department.

5. Explanation may be called from the colleges for no participation in the Departmental conference inspite of having communicated.

Teachers Present - signatures (Department of Physics, K.U)

1. 2.

3. 4.

Signatures of attended faculty (Govt & affiliated colleges)

1. Dr. G. Raje prasad — VDPGC — HNK — 9989214113 —
2. M. Narasimha — VDPGC — HNK — 9849943420
3. Kamalakar Ch. — NSPGC — HNK 9849455810
4. K. Udaya kumar — LBPGC — WGL 9849541671
5. R. Jalandhar — CV Raman P.G college — MNL 8712248174
6. K. Sumalatha — CV Raman P.G College — mnd 9640554893
7. D. Lakshmiprasanna — Kavitha deg & pg college — 9381052729
8. G. Mounika — Kavitha deg & PG college — 9640582799
9. Dr. Narender Kelli reddy — KGC Hanamkonda — 9393662344
10. Dr. B. Ravi Kumar — SRRGPM Khammam — 9494321212
11. N. Srinivasa Rao — SR & BGNR GDC, Khamman — 9440470587
12. M. RANGA RAO — Kavitha Memorial P.G. College — 9963185659
13. J. Sunil — SVS Degree & PG. college — 9959176999

1. Kakatiya Degree & PG College — HNK
2. Vagdevi Degree & PG — "
3. Nalla Narasa — "
4. SVS — "
5. LB College — "
6. Kavitha Memorial — "
7. Kavitha Degree & PG — "
10. Palvancha —
11. Bhadrachalam —
12. C.V. Raman —
13. Priyadarshini —
14.

Members of the Board of Studies in Physics for P.G Courses of Department of Physics have met on 08-05-2023 at 2.00 P.M in the Chambers of BOS and discussed about the Pre.Ph.D syllabus of special papers to be introduced in the research areas which are not available as new research supervisors in Physics are recognized. 15

Local BOS, Physics members Presented:

1. Prof. C.J. Sreelatha (Head)
2. Prof. B. Venkatram Reddy (member)
3. Dr. G. Padmaja (BOS)
4. Dr. N. Vasalaxmi (member)

The following recommendations are made:

(i). It is resolved to communicate the newly syllabus (newly introduced papers) to the external boded members to get approval.

(ii). It is resolved to approve and include the syllabus for special papers entitled: "Characterization and applications of magnetic materials" and "Physics of materials and Polymers" as paper-II

(iii). It is resolved to approve to retain the existing syllabus of Paper-I (common paper) and Paper-II (Special papers).

Signature:

1.
2.