

# FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)

Affiliated to University of Kerala



**Minutes Academic Council**

**IQAC** INTERNAL QUALITY ASSURANCE CELL

**APPENDIX 1**  
**MINUTES OF THE MEETING OF THE ACADEMIC COUNCIL HELD ON 24**  
**JANUARY 2017**

**Members present:**

1. Dr Vincent B. Netto, Principal – Chairman
2. Dr P. Radhika – Member Secretary
3. Dr K. Padmakumar, Pro Vice-Chancellor, KUFOS, Kochi
4. Dr Suresh R., Assoc. Prof. of Political Science, University of Kerala
5. Prof. Stephen Joseph Nigli, Registrar, Bishop Benzigar College of Engineering, Kollam
6. Dr Sindha Mendez, Head, M. Ed. Section, Karmela Rani Training College, Kollam & Retd Principal, St Teresa's College of Education, Kumbalam
7. Dr A. R. Titus, Vice-Principal
8. Dr K. S. Dersanambika (special invitee)
9. Prof. Grata Ildaphonse
10. Dr C. Francis
11. Dr Anil Jose
12. Dr Sheeja Mathews
13. Dr Merylin V. J.
14. Dr Mary Tresa P. Miranda
15. Prof. Sylvia Antony
16. Dr Kochuthresia T. C.
17. Dr Joseph James V.
18. Dr Mary Antony
19. Dr Shelley M. R.
20. Dr Maria Padma W. Miranda
21. Dr Satheesh (special invitee)
22. Prof. Linda Pious (special invitee)
23. Prof. Girish U. (special invitee)
24. Mr Antony A. (A. A.)
25. Mr Prijith Jacob Thomas (Librarian)

The meeting began with a silent prayer. Welcoming all members to the meeting, the Principal and Chairman of the Academic Council, Dr Vincent B. Netto mentioned that many issues needed to be settled. Primary among them were (i) finalizing the amendments to be included in the College Examination Manual and (ii) ratifying the recommendations of the Boards of Studies of all subjects.



### Item # 1

The Minutes of the meeting of the Academic Council held on 30 Aug. 2016 were read out by the newly-appointed Member Secretary Dr P. Radhika.

Resolved to pass the minutes unanimously.

### Item # 2

Thereafter the Principal presented a brief **Action Taken Report**, the points of which were:

1. The responsibility of bringing out a textbook on Environmental Studies for the UG students of the college – to be included in the 2018 syllabus – has been given to the Dept of English.
2. The Dept of Physics has been instructed to reconstitute their Board of Studies to discuss and formulate the syllabus and scheme of ~~B.Sc.~~ <sup>BCA</sup> (Bachelors) Computer Applications.
3. Steps have been taken to include Research Methodology in Semester VI of B. Com.
4. Instructions have been given to the Dept of Botany to modify their M. Sc. syllabus.
5. Provisions have been put in place to introduce CAT III into the internal examination schedule.
6. All departments have been alerted to design their curricula, keeping in mind the aspect of their direct application and impact on society.
7. All departments have been asked to present 60-day work plans to the Principal.
8. It has been decided to award more credits to students for their participation in extra-curricular activities.

### Item # 3

The Principal initiated a discussion on the **amendments to the College Examination Manual** to be framed in response to the recommendations of the University of Kerala. Each item was taken up for detailed analysis and consensus decisions were arrived at.

#### **Amendments to the Examination Manual**

The Principal initiated a discussion on the **amendments to the College Examination Manual** to be framed in response to the recommendations of the University of Kerala. Each item was taken up for detailed analysis and consensus decisions were arrived at. **(See Appendix 3)**

### Item # 4

The Principal informed the Council that as all the departments were gearing up for a major change in syllabus next year (i.e. for 2018 admissions), the meetings of the Boards of Studies at the meetings held earlier this month had sought to (a) effect only minor changes within the existing syllabus and (b) include the component "Outcome" in the syllabus of every paper. However, wherever serious anomalies had been detected, the Boards were encouraged to rectify them. The **recommendations made by the Boards of Studies** for the following subjects were taken up for ratification:

#### **01. Modification of Syllabi for B. Sc. and M. Sc. Maths**

##### **1. UG Programme in Mathematics**

The textbooks currently prescribed for Theory of Equations and Theory of Numbers for S 1 and S 2 to be changed to those authored by Manica Vachakom Pillai or Susheela Gopalan



## 2. PG Programme in Mathematics

- (i) The syllabi of the following courses – (i) Abstract Algebra in Sem. 2 (ii) Computer Programming in Sem. 2 (iii) Graph Theory in Sem. 3 and (iv) Mechanics in Sem. 4 – to be in total consonance with the newly revised University of Kerala syllabus
- (ii) The course “Automata” of Sem. 3 to be replaced by the course “Integral Equations and Calculus of Variations” of Sem. 4

**Resolved to approve the changes w.e.f. 2018-'19 admissions**

## 02. Modification of Syllabus for M. Sc. Physics

### 1. PG Programme in Physics

(i) Changes to be made in the syllabus of Nuclear Physics courses PPH33N Advanced Nuclear (Special Paper 1) in the third semester, PPH42 Nuclear and Particle Physics and PPH43N Radiation Physics (Special Paper 2) in the fourth semester:

#### **PPH33N (Special Paper 1) Advanced Nuclear Physics**

Unit I: Nuclear properties and structure – included Atomic nucleus, Experimental determination of charge radius using various methods and potential radius, electric quadrupole moment of nucleus

Unit II: Nuclear Instrumentation shifted to PPH43N and the Unit II of PPH43N (Radioactivity) brought to this course. Introduced: photo electric effect, Compton scattering and pair production, electro positron annihilation, nuclear isomerism, internal conversion

Unit III: Particle Physics replaced with Nuclear Models. Particle Physics portion shifted to the third Unit of PPH42. Nuclear Reactions introduced in the Unit.

#### **PPH42 Nuclear and Particle Physics**

Unit I : Renamed as Nuclear force and two body problem

Unit II: Renamed as Nuclear Fission and Fusion. Introduced: Nuclear Reactor theory, reactor buckling, critical size, reactor materials, reactor control, breeder reactor, thermonuclear fusion, fusion in plasma, fusion reactor, conditions for sustained fusion, magnetic confinement, toroidal confinement: Tokamak.

Unit III: Renamed as Elementary Particles and interactions. Introduced Neutrons, Kinematics in high energy collisions, particles in high energy reactions, classification of elementary

particles, interactions among particles, states of particles in terms of quantum numbers, Yukawa hypothesis, properties of pi mesons, muons, K-mesons and hyperons, particle interactions and Feynman diagrams, symmetries and conservation laws, CPT invariance, Gellmann Nishijima Formula, Quark Model, Quantum Chromo Dynamics (QCD)

### **PPH43N (Special Paper II) Radiation Physics**

Unit II Renamed as Nuclear instrumentation and dosimetry. Included Nuclear instrumentation with topics : Particle accelerators- electrostatic accelerators-cyclotron accelerators-synchrotrons- linear accelerators-colliding beam accelerators, Tandem accelerator, LHC (basic idea only) Gas filled detectors, Ionization Chamber, Proportional counter, GM Counter, Scintillation counter, Cerenkov counter, semiconductor detectors [Si(Li), Ge(Li), HPGe]

Unit III Introduced: Natural exposure pathways – exposure through manmade source – X-ray, Ultra sound, CT, MRI scans (elementary ideas only) and (ii) Two experiments related to Nuclear Physics in PPH61 Advanced Physics Practical using GM counter; and three experiments in PPH 62 related to Advanced Electronics Practical using microprocessor 8085 to be included.

**Resolved to approve the changes w.e.f. 2018-'19 admissions**

### **03. Modification of Syllabus for M. Sc. Psychology**

#### **PG Psychology**

#### **SEMESTER – I**

#### **15PPC13: PSYCHOMETRY**

- Unit 2: Methods- removed the portions titled “Psychological Tests: History of Testing. Nature and use of tests”.
- Unit 4: Removed “use of computer in testing”.
- Unit 4: Added “Ethical Standards in Testing: Informed consent, Test construction (Ethical), Interpreting assessment results, Test scoring and Interpretation Services, Explaining Assessment Results, and Maintaining Test Scoring”.



## **15PPC14: FRONTIERS OF PSYCHOLOGY**

- Unit 3: Added “3 Waves of Feminism” along with the Consequences of Feminism.

### **SEMESTER – II**

#### **15PPC21: INTELLIGENCE, LEARNING AND MOTIVATION**

- Unit 1: Replaced the term “Seven Intelligence” with “Multiple Intelligence”.
- Unit 2: Removed “Razran’s Learning Theory”

#### **15PPC22: PSYCHOPATHOLOGY**

- Unit 3: Modified “Causal Factors in Mood Disorders and General Socio-Cultural Factors in Both Unipolar and Bipolar Disorders” into “General causal factors of Unipolar and Bipolar Disorders”.
- Unit 4: Added “Hypochondriasis and Body Dysmorphic Disorder” under Somatoform Disorder and removed “Biological factors, Psycho-Social Factors, Socio-Cultural Factors” from causal factors in Somatoform and Dissociative Disorders.
- Unit 8: Replaced “Problems in Defining Schizophrenia” into “Clinical Picture of Schizophrenia: Delusions, Hallucinations, Disorganized Speech, Catatonic behaviour and Negative Symptoms”.
- Unit 9: “Modified Brain Disorders” as “Brain Disorders: Brain impairments in Adults - Delirium, Dementia. Alzheimer’s Disease. Dementia from HIV-1 Infection. Amnestic Syndrome. Disorders involving Head Injury”.
- Unit 10: Removed “Maladaptive Behaviour in different life periods” and added “Specific Learning Disorders: Clinical Picture, Causal Factors, Treatment and Outcomes”.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

#### **04. Modification of Syllabus for M. Sc. Chemistry**

**PG Chemistry** – Modifications to be made in the syllabus of the newly introduced paper of Semester IV M. Sc. programme titled “Chemistry of Advanced Materials”.

Introduction to **Nanomaterials** (Module I) is replaced with **Nanomaterials-Types and Synthesis** (Module IV)

#### **Unit IV Nanomaterials-types and synthesis**

Nanomaterials. Materials in the nanodomain. Zero, one and two dimensional materials. Particle size dependent change in properties of materials. Metals in the nanodomain. Gold and silver nanoparticles. Preparation, properties and applications. Core shell structures. Semiconductor nanoparticles. Quantum dots. ZnO, ZnS, CdS and CdSe quantum dots. Electrical and optical properties.

Synthesis of nanomaterials-Sol-Gel, colloidal precipitation, coprecipitation, hydrothermal, vapour deposition, and sonochemical method

Metal nanoparticles: Size control, characterization, and properties (optical, electronic, magnetic) Surface Plasmon resonance and its applications, role in catalysis, alloy nanoparticles.

**Polymerization processes** (Module III) is replaced with **Polymerization techniques and Characterization** (Module I)

#### **Unit I Polymerization techniques and characterization**

Kinetics and mechanism of Free radical addition polymerization, cationic and anionic polymerization. Chain transfer. Molecular weight distribution and molecular weight control. Step growth polymerization - Linear Vs cyclic polymerization. Other methods of polymerization - bulk, solution, melt, suspension, emulsion and dispersion techniques.

Stereochemistry of Polymers: Configuration and conformation. Tacticity. Chiral polymers.

Polymer Characterization. Molecular weights. Concept of average molecular weights, Determination of molecular weights. GPC and Light scattering techniques. Molecular weight distribution. Crystalline and amorphous states. Glassy and Rubbery States. Glass transition and crystalline melting. Spherulites and Lammellae. Degree of Crystallinity, Thermal analysis of polymers. TG/DTG, DTA/DSC, Spectroscopy of polymers. Microstructure determination by IR, Raman, UV, NMR and MS techniques. Solid State NMR and polymer stereochemistry.

**Speciality Polymers** (Module IV) is replaced with **Advanced Polymeric Materials-Synthesis and Applications** (Module II)

#### **Unit II Advanced polymeric materials-synthesis and applications**



Industrial Polymers: carbon chain and hetero chain polymers. synthesis and applications-Polymeric reagents, catalysts and substrates

Conducting polymers - Synthesis & applications of polyacetylenes, polyanilines, polypyrroles& polythiophines.

Photoresponsive and photorefractive polymers. Polymers in optical lithography - Drug delivery - Drug carriers - Polymer based nanoparticles.

Polymer based LEDs, lithium-polymer batteries, Liquid crystalline polymers - Main chain and side chain liquid crystalline polymers. Phase morphology.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

**05. Modification of Syllabus for M. Sc. Zoology**

15 PZO214 Practical 1 – Determination of the isoelectric pH of the given amino acid by titration method was added.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

**06. Modification of Syllabi for B. Sc. and M. Sc. Botany**

**UG Core Course:**

<b>Course Code</b>	<b>Old Titles</b>	<b>New Titles</b>
15UBO141	Angiosperm Anatomy, Reproductive Botany & Palynology	Angiosperm Anatomy, & Embryology
15UBO341	Microbiology, Phycology, Mycology, Lichenology & Plant Pathology	Lower Plants I & Plant Pathology
15UBO441	Bryology, Pteridology, Gymnosperms & Paleobotany	Lower Plants II & Paleobotany
15UBO541	Angiosperm Morphology, Systematic Botany, Economic	Angiosperm Systematics &

	Botany, Ethnobotany & Pharmacognosy	Economic Botany
15UBO543	Cell Biology, Genetics & Evolutionary Biology	Cytology, Genetics & Evolution
15UBO642	Molecular Biology, General Informatics & Bioinformatics	Molecular Biology & Informatics
15UBO643	Plant Breeding, Horticulture & Research Methodology	Crop Improvement & Research Methodology

**UG Complementary Course:**

Semester	Paper Code	Old Title	New Title
I	15UBO131	Phycology Mycology Lichenology Bryology Pteridology Gymnosperms & Plant pathology	Cryptogamic Botany & Plant pathology
II	15UBO231	Histology Reproductive Biology & Micro technique	Anatomy, Embryology & Microtechnique
III	15UBO331	Angiosperm Taxonomy Economic Botany Ethno Botany Pharmacognosy & Plant breeding	Plant Systematics & Crop Improvement
IV	15UBO431	Plant Physiology Environmental Biology Horticulture & Plant Biotechnology	Plant Physiology & Applied Botany



**PG Programme:**

<b>Paper code</b>	<b>Old Title</b>	<b>New Title</b>
15PBO13	Microbiology, Histology, Microtechnique & Histochemistry	Microbiology, Histology & Microtechnique
15PBO21	Plant Breeding, Horticulture & Reproductive Botany	Reproductive Botany & Crop Improvement
15PBO22	Environmental Biology, Phytogeography, Conservation Biology & Evolution	Environmental Biology
15PBO23	Cell and Molecular Biology & Genetics	Cell Biology & Genetics
15PBO31	Taxonomy, Economic Botany & Ethnobotany	Angiosperm Systematics & Economic Botany
15PBO33	Research Methodology, Biostatistics & Plant Biotechnology	Research Methodology & Plant Biotechnology
15PBO41	Special Paper -I- Plant Physiology, Biochemistry & Enzymology	Special Paper -I- Plant Physiology & Biochemistry
15PBO42	Special Paper -II Elective - Biotechnology	Special Paper -II Elective - Advanced Biotechnology

**Resolved to approve the changes - shortening the titles of papers in the UG and PG syllabi w.e.f. 2018-'19 admissions**

**07. Modification of Syllabus for B. Com. and M. Com.**

- 1. UG Programme - B. Com.(Finance [aided], Co-operation and Computer Science self-financing)**

### **Semester II**

Inclusion of the topic, 'Application of IT in Digitization along with relevant provisions of Cyber Laws' in Module III in the paper "Informatics and Cyber Laws.

### **Semester III**

- (i) Introduction of a practical session, interaction with successful local entrepreneurs as part of the paper "Entrepreneurship Development".
- (ii) Inclusion of the topic Registration of MSME instead of Registration of SSI in Module III.
- (iii) Inclusion of the topics "Introduction of Startup Projects" and "Business Incubation" in Module IV.
- (iv) In Company Administration, change of the topic Table A to Table F.

### **Semester IV**

- (i) In the paper "Capital Market", inclusion a report on a visit to a financial service institution. Assignments too to be based on the visit.
- (ii) Introduction of the topic 'Swaps' (basic concepts only) in module IV.
- (iii) Correction of a minor mistake in "Banking Theory and Practice" – remove the first 'NPA' from 'NPA Management of NPA' in module IV.

## **2. PG Programme (M. Com.)**

### **Semester I**

- (i) Change in the name of the paper "Contemporary Management Concepts and Thoughts" to "Management Concepts and Thoughts".
- (ii) In Research Methodology, introduction of the topic "Plagiarism" in Module V.
- (iii) In Planning and Development Administration, correction of Neethi Aayog to NITI Aayog. No other change is recommended for other papers.

### **Semester III**

Changes for "Advanced Cost and Management Accounting":

- Remove the present topics of Module V from the syllabus.
- The topic Activity based Costing and Target Costing in Module VI to be shifted to Module V.



- The topic Life Cycle Costing, Total Quality Management and Economic Value Added to remain in Module VI.
- Re-arrangement of hours:
  - Module III – 23 Hours instead of 18 Hours
  - Module V – 20 Hours instead of 22 Hours
  - Module VI – 20 Hours instead of 23 Hours.

#### **Semester IV**

- (i) Inclusion of the topic, Introduction to GST in Module I of the paper "Indirect Tax Laws and Practices".
- (ii) Re-arrangement of hours. 5 hours are to be added to Module I and 3 hours be reduced from Module II and 2 Hours from Module VI.
- (iii) For "Management Optimization Techniques", Module V is to be divided into two parts and the syllabus is specified.  
Module V: Queuing Theory and Inventory Control  
(A) Queuing Theory - MM1 Model (simple problems)  
(B) Inventory Model with a maximum of two price breaks.
- (iv) In the paper "Financial Statements – Interpretation and Reporting", inclusion of a case analysis by a professional to create awareness among the students on the practicability of IPRS.
- (v) Internship for M. Com. be introduced with the following mark distribution:  
Project report – 75 marks  
Project viva voce – 15 marks  
Internship with Project evaluation and viva voce – 10 marks  
Comprehensive viva voce – 100 marks

**Resolved to approve the changes w.e.f. 2018-'19 admissions**

#### **08. Modification of Syllabi for B. A. and M. A. English**

##### **1. UG Programme (Regular) B. A. English Language and Literature**

- i. **Foundation Course I – Writings on Contemporary Issues**  
"Globalization and Education: Third World Experience" by Amit Bhaduri from *Meeting the World: Writings on Contemporary Issues* (Pearson, 2013) from Module I: Globalization and its Consequences to be deleted.
- ii. **Complementary Course — History of English Literature I, II, III.**
  - a. The core text for the course to be *A Concise History of English Literature and Language* by Dr K. Radha Kumari (Delhi: Primus, 2015).



- b. Module III of the current syllabus of Semester 1 to be shifted to History of English Literature II of Semester II and made Module I.
  - c. The existing Module III of Semester 2 to be shifted to History of English Literature III of Semester 3 and made Module I.
  - d. Pramod K. Nayar's *A Short History of English Language* will be included in the Reading List.
- iii. **Complementary Course — Journalism**
- a. Module IV of Sem. 2 syllabus (History of Indian Media) – Milestones of radio, television and film – an overview of Indian cinema and Malayalam cinema – be shifted to Module III of Sem. 1 (Introduction to Mass Communication).
  - b. Module IV of Sem. 2 to newly feature the following topics – Advertising Basics: History of Advertising – History of advertising in India – Advertising and audience – Function of ads – types of ads – Effects of Advertising – Critical Analysis of Advertisement in the Indian media.
  - c. The Practical Session of this module which requires creation of tabloids, reports of college activities, compilation of human interest stories, or recording of interviews to be changed to: Tabloids based on Regional news, Campus, Sports, Films, Business, Arts, Current Affairs, Cookery, Health or any Human Interest story.
  - d. The sub-module 'Translation of stories from Malayalam to English and vice versa' from Module II of Basics of News Editing of Sem. 4 to be made part of the Practical Session of Module IV of Basics of News Reporting of Sem. 3.
  - e. The sub-module - Principles of Editing, selection, correction, rewriting – of Module III of Basics of News Editing to be shifted to become part of Module II of the same course.
  - f. Module IV to accommodate newer items: Page Make up and Page Design – the problem of style – Style book – overall page design – planning of pages
  - g. Module V to additionally include a Practice Session (Poster exhibition and Caption writing competition)
- iv. **Open Course – Communicative Applications in English (Sem. 5)**
- The sub-module "Varieties of modern English – British, American, Indian" and "corresponding American expressions" of Module I: Listening and Speaking be deleted.



v **Foundation Course—Informatics**

The core text titled *The Basics of Informatics* by Ravindran Asari to be replaced by *Informatics* authored by Dr Antony Thomas (Changanassery: Prathibha, 2014).

**2. UG Programme (Self-financing) B. A. ENGLISH LANGUAGE, LITERATURE AND COMMUNICATION**

- i. The Elective Course Communicative Applications in English (Sem. 5 - Open Course) to replace the existing course New Media Technologies (prescribed in Sem. 3)
- ii. Pramod Nayar's *An Introduction to Cultural Studies* and Chris Barker's *Culture Studies: Theory and Practice* to be as part of the Reading List of the Course on Media and Culture Studies in Sem. 4.

**3. PG Programme M. A. - ENGLISH LANGUAGE & LITERATURE**

**SEMESTER I**

**Paper I Chaucer to the Elizabethan Age**

Francis Bacon's essays, "Of Unity in Religion" and "Of Gardens"; and Thomas Kyd's *Spanish Tragedy* to be deleted.

**Paper II Shakespeare**

The non-detailed text *Hamlet* to be deleted.

**Paper III Augustan Age**

- i. Dryden's "Mac Flecknoe" and Gray's "Elegy Written in a Country Churchyard", prescribed for detailed study (Poetry) to be replaced by Alexander Pope's *The Rape of the Lock*.
- ii. Pope's "An Epistle to Dr Arbuthnot" to be replaced by Collins' "Ode to Evening".
- iii. Richardson's *Pamela* to be deleted.

**SEMESTER II**

**Paper V The Victorian Age**

Arnold's "Dover Beach" to be deleted.

Browning's "Fra Lippo Lippi" to be replaced with "Andrea Del Sarto".

**Paper VI The Twentieth Century**

T. S. Eliot's "Tradition and Individual Talent" to be replaced with "The Frontiers of Criticism".

**Paper VII Indian Writing in English**

- i. Replace 1. Ezekiel's "Good Bye Party to Miss Pushpa TS" with "Poet, Lover, Birdwatcher" 2. Parthasarathy's "As a Man Approaches Thirty, He May" with Jayanta Mahapatra's

"Grandfather". 3. Tishani Doshi's "The Day We Went to the Sea" with Toru Dutt's "Our Casuarina Tree". 4. Girish Karnad's *Tuglaq* with *Nagamandala*. 5. Rushdie's *The Moor's Last Sigh* with *Shalimar the Clown*. 6. Mulk Raj Anand's "Barbers' Trade Union" with Ruskin Bond's "The Cherry Tree". 7. G.B. Mohan Thampi's "Rasa as Aesthetic Experience with Dr K. Ayyappa Paniker's "Theorizing about a Theory," *Samyukta* IV, I (January 2004): 7-12

- ii. Delete Tagore's songs 81, 95 and 103 from *Gitanjali*.

### **Paper VIII Literary Theory I**

Replace selections from Ferdinand Saussure's *Course in General Linguistics* of Module I: Theories of Structuralism with "Ecocriticism: The Nature of Nature in Literary Theory and Practice" by Michael Branch.

### **SEMESTER III**

#### **Paper XI Women's Writing**

- i. Replace Alice Walker's "Before I Leave the Stage" with Maya Angelou's "Phenomenal Woman"
- ii. Delete Penelope Fitzgerald's *The Axe* and Susan Glaspell's play, *Trifles*.

### **SEMESTER IV**

#### **Paper XV American Literature**

Faulkner's *The Light in August* to be replaced with *The Sound and the Fury*.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

### **09. Modification of Syllabi for B. A. and M. A. Economics**

Certain items in the course descriptions of the UG and PG syllabi were modified for greater clarity.

#### **UG Economics**

i. **15UEC141 METHODOLOGY AND PERSPECTIVES OF SOCIAL SCIENCES**

Need for objectivity (What is science- scientific method and objectivity- Emile Durkheim: Social facts-fundamental rule of objectivity) and Limits to objectivity in social sciences (beyond positivism- Max Weber's intervention- value as a premises of social research) in Unit – III of the paper.



**ii. 15UEC241 METHODOLOGY OF ECONOMICS**

The contents foundations of economics (mercantilism and physiocracy, basic postulates of classical economic thought, Marxian economic thought, Keynesianism and monetarism) in module 1, Understanding a research study (conceptualization of research issue, reviewing the literature, hypothesis analysis, presentation of data, writing a research report) in module 2 and economic data (primary and secondary methods of data collection, schedules and questionnaires) in module 3 of the paper.

**iii. 15UEC341 BASIC TOOLS FOR ECONOMICS I**

Specified the contents (Addition, Subtraction and Multiplication of Matrices - Trace -Transpose - Determinants - Determinants up to the order  $3 \times 3$  - Properties of determinant - Rank of a Matrix) in the module 2 (Matrix) and the rules of differentiation (Rules of differentiation: Polynomial function rule, Constant function rule, Linear function rule, Addition rule, Subtraction rule, Product rule, Quotient rule, Chain rule, Parametric function rule, Implicit function rule, Inverse function rule and Successive differentiation) in the module 3 (Differentiation) of the paper.

**iv. 15UEC442 MACROECONOMICS I**

The significance of Macroeconomics and the importance of national income figures were specified in module I and III respectively for the paper.

**v. 15UEC544 INDIAN ECONOMY**

The role of primary, secondary and service sectors was specified in module III, Industry and Service Sector in India of the paper.

**vi. 15UEC545 PUBLIC ECONOMICS**

Specified advantages and disadvantages of direct and indirect taxes theoretical analysis of public expenditure as Wagner's law module II and analysis of centre -state financial relationship and the recommendations of 14<sup>th</sup> Finance Commission in module IV of the paper.

## PG Economics

### i. 15PEC12 ECONOMICS OF GROWTH AND DEVELOPMENT

Specified the content infrastructure and development, terms of trade between sectors (complementarity between agriculture and industry) of the paper.

### ii. 15PEC44 INDUSTRIAL ECONOMICS

Specified measurement of monopoly power and market concentration, pricing decision (pricing methods in practice), Investment decisions (Inventory investment and market investment), Financial Ratio analysis in module 2 and Geographical theories in module in 3 and Types of industrial finance –sources of industrial finance and FDI, FPI and Govt. policy since independence in module 6 of the paper.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

## 10. Modification of Syllabi for B. A. and M. A. Malayalam

### 1. PG Programme in Malayalam

- (i) Delete two sub-modules "Gaveshana Parichayam" and "Adhyapana Abhiruchi" from the Course "Sahitya Charitram – Samagra Padhanam" of Sem. 2 of M. A. (ii) delete one sub-module of Module I "Origins of Malayalam Novel and its different stages of growth" from Sem. 4 "Ezhuthukaran – Samagra Padhanam" of Sem 4 M. A. (iii) limit the syllabus of the Course "Ezhuthukaran – Samagra Padhanam" of Sem. 4 M. A. to three novels (*Asura vithu*, *Manju*, *Randamoozham*) in Module I; to nine short stories ("Valarthu Mrganangal," "Kutyedathi," "Iruttinte Atamavu," "Bandhanam," "Ninte Ormakku," "Swargam Thurakkunna Samayam," "Sherlock," "Perumazhayude Pittennu" and "Vaanaprastham" in Module II; to one travelogue "Aalkoottathil Thaniye" in Module IV; to one critique "Kaathikante Panipura" in Module V; to three screen



**vii. 15UEC641 KERALA ECONOMY**

The features of Kerala Economy was specified in module 1, Climate and Impact of climate change in Agriculture in module 2 and a comparison on money, banking and finance in the Indian Economy and Kerala economy was specified in module 4 of the paper.

**viii. 15UEC642 FINANCIAL ECONOMICS**

Specifications have been made with regard to financial intermediation (Meaning of Financial intermediation (surplus and deficit agents)) in module 1 and new issue market (IPO (Initial Public Offerings)) in module 2 of the paper.

**ix. 15UEC643 BASIC TOOLS FOR ECONOMICS II**

Specified the contents binomial and normal distribution (Binomial – parameters, constants – means, standard deviation, variance, probability function. Normal Distribution – definition, properties, merits and demerits, standard normal variate, fitting a normal curve) in module 4 of the paper.

**x. 15UEC131 FOUNDATIONS OF ECONOMIC THEORY**

A specification has been made with regard to the content the determination of law of demand and law of supply (Equilibrium price determination) in module 1 of the paper.

**xi. 15UEC331 PUBLIC FINANCE AND TRADE**

The causes of the growth of public expenditure and the trends in the public expenditure in India were specified in the module 2 of the paper.

**xii. 15UEC431 INDIAN PLANNING AND ECONOMIC DEVELOPMENT**

A specification has been made with regard to the content Agriculture growth in India (Structure, status (pre independence and post independence) of Indian agriculture) in module 4 of the paper.

plays “Olavum Theeravum,” “Neela Thamara” and “Kerala Varma Pazhassi Raja” in Module VI; to one children’s literature text “Daya Enna Penkutty” in Module VIII; and to one essay “Kannanthali Pookkalude Kaalam” in Module IX.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

**11. Modification of Syllabus for French in B. A./B. Sc. & B. Com programmes**

**UG French** – (i) Subdivisions to be inserted into essay questions in Section D of the question papers of all the four semesters, and (ii) Questions relating to Kerala Culture and Civilization to be restricted to Sections C and D of the question paper of Sem. 4 of B. A./B. Sc. examinations.

**Resolved to approve the changes w.e.f. 2017-'18 admissions**

**12. Modification of Syllabus for Sanskrit in B. A./B. Sc. & B. Com programmes**

**UG Sanskrit**

**First Semester (Poetry and Grammar-I)**

**Grammar:**

Noun : (Masculine) - *Add Aswa & Kavi instead of 'Rama' & 'Hari' respectively.*

**Subhaashitaani:**

Maateva Rakshati Piteva Hite Niyunkte

Kaanteva Khedamapaneeya Karoti Modam

Lakshmeem Thanoti Vitanoti Cha Dikshu Keerthim

Kim Kim Na Saadhayati Kalpalateva Vidyaa

**(Add the above Sloka instead of Sloka 5 of the previous Subhashitani)**



Yasyaasti Vittam Sa Nara: Kuleena:

Sa: Pandita: Sa Shrutavaan Gunajna:

Sa eva Vaktaa Sa Cha Darshaneeya

Sarve Gunaa: Kaanchanamaashrayanti

**(Add the above Sloka instead of Sloka 11 of the previous Subhashitani)**

Nintantu Neetipunaa: Yadi Vaa Stuvantu

Lakshmee: Samaavishatu Gacchatu Vaa Yadeshtam

Adyaiva Maranamastu Yugaantare Vaa

Nyaayyaatpatha: Pravichalanti Padam na Dheeraa:

**(Add the above Sloka instead of Sloka 12 of the previous Subhashitani)**

Padmaakaram Dinakaro Vikacham Karoti

Chandro Vikaasayati Kairavachakravaalam

Naabhyarthitito Jaladharoꣳpi Jalam Dadaati

Santa: Parahiteshu Vihitaabhiyoga:

**(Add the above Sloka instead of Sloka 13 of the previous Subhashitani)**

Gurupatnee Raajapatnee Jyeshatapatee Tathaiva Cha

Patneemaataa Swamaataa Cha Panchaite Maatara: Smritaa:

**(Add the above Sloka instead of Sloka 14 of the previous Subhashitani)**

Sampoornakumbho Na Karoti Shabdham

Artho Ghato Ghoshamupaiti Nityam

Vidvaan Kuleenoꣳpi na karoti Shabdham

Alpo Jano Jalpati Saattahaasam

**(Add the above Sloka instead of Sloka 15 of the previous Subhashitani)**

**Second Semester (Poetry and Grammar- II)**

**Grammar:**

Noun (Feminine): Add **Lata** instead of **Rema**

Epic Poem- Valmiki Ramayana-

Add **Sundarakanda (First 41 Slokas of 9<sup>th</sup> Sarga)** instead of Balakanda (First 24 Slokas)

**Resolved to approve the changes w.e.f. 2018-'19 admissions**

**13. Modification of Syllabi for Hindi in B. A./B. Sc. & B. Com programmes**

**UG Hindi** – (i) Omit Chapter 10 (“Alochana ke vyavaharik pahloo”) from *Sahitya Vivechan* (ii) include Chapter 3 (“Sahitya aur Samaj”) and Chapter 4 (“Sahitya aur Sanskriti”) from the same textbook, and (iii) replace “Sikka Badal Gaya” by Krishna Sobti with “Patni” by Jainendra Kumar in the short story textbook *Kahani Sankalan* – in the course “Fiction and Literary Analysis” of Sem. 2 B. A./ B. Sc. Additional Language (Hindi).

**Resolved to approve the changes w.e.f. 2018-'19 admissions**

**Item # 5**

The Principal requested the Controller of Examinations Dr K. S. Dersanambika to present the **analysis of the Semester 3 and 5 UG results**. She said that everything had gone as per schedule, and expressed her appreciation for the co-operation of the management and the faculty (teaching as well as non-teaching).



**Item # 6**

The Principal invited suggestions and recommendations for academic improvement. Dr Mary Antony, Head, Dept of Economics suggested re-introducing the University of Kerala scheme of awarding marks for attendance because that was more advantageous to students. While only those students who notch a minimum of 75 % aggregate attendance may be deemed eligible to take their End Semester Examinations, the following pattern may be adopted for computing attendance marks for individual papers:

<b>Attendance (%)</b>	<b>Marks</b>
< 50	0
51-60	1
61-70	2
71-80	3
81-90	4
> 91	5

Dr Sindha Mendez suggested that the results of the college be publicized through local newspapers, carrying photos of toppers, in order to incentivize students. The management could also think of instituting awards and medals for top scorers and special certificates. The Principal replied that the management would respond positively to this suggestion.

**Item # 7**

When the Principal enquired whether there was any other matter to be clarified or discussed, Dr Shelley M. R., Head, Dept of Malayalam, asked whether it was possible to increase the number of courses in a programme retaining the same framework of the aggregate marks. Dr A. R. Titus, Vice Principal, responded

with the University clause that did not permit any tampering with the format followed by the parent body (the University).

Dr Maria Padma W. Miranda, Head, Dept of Physical Education, spoke of the difficulties faced by sports candidates when the dates of their inter-zone competitions clashed with the ESE of the college. She added that sports candidates studying in colleges affiliated to the University of Kerala experienced no such problems as the University postponed exams to accommodate their interest. The Council took a sympathetic view on the matter, and the Principal assured Dr Padma Miranda that if she could inform the Office of the Controller of Examinations of the dates of the sports competitions, at least one week in advance, a re-scheduling of the ESE could be effected.

The Member Secretary proposed the vote of thanks.

The meeting was wrapped up at 1. 15 pm.



Meeting of the Academic Council, 24<sup>th</sup> January 2017

SI No	Name	Signature
1	Dr Vincent B Netto, Principal - Chairman	
2	Dr P Radhika, Member Secretary	
3	Dr K Padmakumar, Pro Vice Chancellor, KUFOS, Kochi	
4	Dr. Suresh R, Asso Professor of Political Science, University of Kerala	
5	Dr G Suresh Singh, Associate Professor, Department of Mathematics	
6	Prof Stephen Joseph Nigli	
7	Adv. Francy John	
8	Dr Sindha Mendez	
9	Dr Rex Thomas	
10	Dr A.R. Titus	
11	Dr K. S. Dersanambika (special invitee)	
12	Prof. Grata Ildaphonse	
13	Dr C Francis	
14	Dr Anil Jose	
15	Dr Sheeja Mathews	
16	Dr Merylin V J	
17	Dr. Mary Tresa P Miranda	
18	Prof. Sylvia Antony	 24.1.17
19	Dr. Kochuthresia T. C.	
20	Dr Joseph James V	
21	Dr Mary Antony	
22	Dr Shelly M.R	
23	Dr Maria Padma W Miranda	
24	Dr Satheesh Kumar (special invitee)	
25	Prof Linda Pious (special invitee)	
26	Prof Girish U (special invitee)	
27	Mr Antony A, (A.A)	
28	Mr. Prijith Jacob Thomas (Librarian)	