

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

Minutes of the 223rd meeting of the Syndicate
held on 22-1-1987.

Place of meeting : Administrative Building
Cochin -22.

Time: 11.00 a. m

Members present:

1. Shri T. N. Jayachandran
Vice-Chancellor (in the Chair)
2. Prof. C. A. Abdussalam
Pro-Vice-Chancellor
3. Shri. M.P.M. Ishaque Kurikkal
4. Shri. G. K. Pillai
5. Dr. N. Raman Nair
6. Dr. N. Ravindranatha Menon
7. Shri. T. S. Ramanatha Iyer
8. Shri. M. S. K. Ramaswamy
9. Dr. C. S. Sridhar

Also present: Shri. V. J. Pappoo
Registrar

125

Dr. N. Balakrishnan Nair and Shri P. P. Thankachan had informed about their inability to attend the meeting.

1. Before the items on the Agenda were taken up for consideration, the Vice-Chancellor moved the following resolution in appreciation of the services rendered by Dr. K. Gopalan as Vice-Chancellor of the University.

"This meeting of the Syndicate resolves to place on record its deep appreciation of the services rendered by Dr. K. Gopalan as Vice-Chancellor of the University. Dr. Gopalan had assumed charge as Vice-Chancellor of the University at a critical stage of its development and had steered its progress and development with unparalleled dedication and efficiency. The Syndicate also wishes him success in his future assignments."

The resolution was unanimously approved by the Syndicate.

2. The Vice-Chancellor also moved a resolution as given below expressing the sorrow of the Syndicate on the sad demise of Shri V Viswanathan, former Chancellor of the University and Governor of Kerala on January 16, 1987.

"This meeting of the Syndicate places on record its deep sorrow at the sad demise of the former Chancellor of the University and Governor of Kerala Shri V. Viswanathan on January 16, 1987. Shri Viswanathan had been an outstanding administrator and as Chancellor of the University, he had always shown keen interest in the development of the University."

The meeting also resolves to convey its heartfelt condolences to the members of the bereaved family.

The resolution was adopted unanimously and the members stood in silence for two minutes.

Item No. 223.01 : Confirmation of the minutes of the meeting of the Syndicate held on 30-10-1986.

Resolved that the minutes of the 222nd meeting of the Syndicate held on 30-10-1986 be confirmed.

Arising out of it, the Syndicate resolved that the implementation of the decision under item No. 222.41 (d) be kept in abeyance pending detailed examination

Item No. 223.02 : Report of the Vice-Chancellor on important developments in the University since the last meeting on 30.10.1986.

(1) The Governor of Kerala gave assent to the Cochin University of Science and Technology Act, 1986, on 30-11-1986.

(2) Dr. Alagarwamy, Dr. R. Pratap, Messrs. Joseph Scaria, Joseph Puthussery, Thiruvanchoor Radhakrishnan and S. Varadachari ceased to be members of the Syndicate as per Section 17, Chapter IV of the new Act.

(3) Dr. K. Gopalan tendered his resignation from the office of the Vice-Chancellor of the University w.e.f. A. N. of 31.12.1986.

(4) Shri T. N. Jayachandran, Vice-Chancellor, University of Calicut, who was given additional charge of the

office of the Vice-Chancellor of the University assumed office on the A. N. of 31.12.1986.

5) Dr. C. N. Satyapalan, former Registrar of the University retired from the University service on the A.N. of 31.10. 1986. Shri V. J. Pappoo assumed the office of the Registrar of the University on the A. N. of 31.10.1986.

(6) Prof. Wolfgang Brauer, Rector and Prof. Erno Wiebeck, Head, Department of Ship Technology of the Wilhelm-Pieck University, Rostock, arrived at the University as Members of a GDR delegation on November 26, 1986. The delegation spent a week in the University, Department of Ship Technology for discussing various aspects of a programme of further collaboration between the University and the Wilhelm-Pieck University as part of the Indo-GDR Cultural Exchange Programme and to frame a draft protocol for the final approval of the UGC, the Government of India and the GDR Government.

7. A UGC sponsored short-term Institute in polymer Technology organised by the Department of polymer Science and Rubber Technology from November 23, to December 12, 1986, was formally inaugurated by Dr. P.V.S. Namboodiripad, Managing Director, Hindustan Latex Ltd., Trivandrum. Dr. K. Gopalan, former Vice-Chancellor delivered the valedictory address on December 12, 1986. Thirty senior professors and Researchers representing various universities, R & D establishments and industrial organisations spread all over the country attended the Institute.

8. Prof C. N. R. Rao, F. R. S., Director, Indian Institute of Science, Bangalore delivered the 2nd India Gandhi Memorial Lecture 1986 on Friday, December, 29, 1986 before a packed audience of distinguished guests. University teachers and students. the topic of the lecture was "Scientific Scenario in India as I see it."

9. The Fourth National Symposium on Quantum Electronics from December 29, 1986 to January 1, 1987 organised by the Department of Atomic Energy, Government of India and hosted by the University. Department of Physics was inaugurated by Dr K. Gopalan, former Vice-Chancellor of the University. The meeting was presided over by Dr. D. D. Bhawalkar, Head, Laser Division, Bhabha Atomic Research Centre. The Symposium was attended by 150 scientists from all over the country.

10 The foundation stone for the DRDO-University of Cochin Computer centre was laid by Dr. K. Gopalan former Vice-Chancellor on December 29, 1986.

11. A UGC sponsored all India Short-term Institute in Chromatographic Techniques organised by the Department of Applied Chemistry for three weeks from January 4, 1987 was inaugurated by Dr. P. S. B. R James, Director Central Marine Fisheries Research Institute Cochin. The meeting was presided over by Prof. C. A. Abdussalam Pro-Vice-Chancellor. Twenty five senior researchers and post-graduate level teachers in Chemistry and biological sciences representing various universities and colleges from different parts of the country are participating in the programme.

Item No.223.03 : Dr. P. Madhavan Pillai Reader, Department of Applied Chemistry - Upgradation to the Post of Professor as per norms

The Syndicate considered, along with the recommendations of the Standing Committees on Staff and Establishment and Academic Matters, the proposal for the upgradation of the post of Reader held by Dr. P. Madhavan Pillai, Reader, Department of Applied Chemistry for giving him personal promotion in accordance with the norms for the upgradation of the teaching posts in University teaching departments.

Resolved that the proposal for the upgradation of the post of Reader held by Dr. P. Madhavan Pillai to that of professor for giving him personal promotion under the norms for the upgradation of teaching posts in University teaching departments be placed before the ensuing meeting of the Academic Council

Resolved further that the question of fixing the minimum number of co-authored research papers required by a teacher for satisfying the condition of publication of papers in the norms for upgradation of teaching posts be examined and placed before the Syndicate for consideration.

(Ad. A)

Item No. 223.04 : Request for upgradation of the post of Lecturer held by Dr. (Mrs.) Elizebath Mathai, Department of Physics - consideration of.

The Syndicate considered, along with the recommendations of the Standing Committees on Staff & Establishment

and Academic Matters, the proposal for the upgradation of the post of Lecturer held by Dr. (Mrs.) Elizabeth Mathai, Department of Physics to that of Reader for giving her personal promotion in accordance with the norms for the upgradation of the teaching posts of teachers having long period of service in University teaching departments.

Resolved that the Vice-Chancellor be authorised to constitute an assessment committee similar in composition to the Selection Committee for appointment as Reader as provided for in the Cochin University of Science and Technology Act, 1966 to assess the suitability of Dr. (Mrs.) Elizabeth Mathai for granting personal promotion by upgradation of the post of Lecturer held by her.

(Ad.A)

Item No. 223.05 : Dr. P. R. Wilson, Lecturer, School of Management Studies- Request for fixation of pay - reg.

The Syndicate considered, along with the recommendations of the Standing Committees on Staff & Establishment and Finance & Purchase, the proposal for fixing the pay at Rs. 1525/- w.e.f. 1.7.1985 in respect of Dr. P. R. Wilson, Lecturer, School of Management Studies taking into consideration the temporary service he had put in before his appointment in the University on a regular basis.

Resolved that the pay of Dr. P. R. Wilson Lecturer, School of Management Studies be fixed at Rs. 1525/- w.e.f. 1-7-1985.

(Fin.)

Item No. 223.06 : Request for revised option in the scale of Professor - Sri. P. Ramachandra Poduval, Professor, School of Management Studies - reg.

The Syndicate considered, along with the recommendations of the Standing Committees on Staff and Establishment and Finance and purchase, the request of Shri P. Ramachandra Poduval, Professor, School of Management Studies for permission to exercise to remain in the scale of pay of Reader until 30.9.1979.

Resolved that the request of Shri P. Ramachandra Poduval to exercise re-option to remain in the scale of pay of Reader until 30.9.1979, be accepted.

(Fin.)

Item No. 223.07 : Dr. P. Sudarsanan Pillai, Lecturer, School of Management Studies- Request for protection and fixation of pay - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff and Establishment and Finance & Purchase, the request from Dr. P. Sudarsanan Pillai, Lecturer, School of Management Studies for fixing his pay at Rs. 1375/- w.e.f. 1.7.1983 in view of the protection of salary granted to University teachers in their previous employment.

Resolved that the request of Dr. P. Sudarsanan Pillai, Lecturer, School of Management Studies be not conceded to

in view of the lesser salary he was drawing in his previous employment at the time of appointment in the University.

(Fin.)

Item No. 223.08 : Registration for research for Ph.D Degree-Application of M. Mukundan - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Shri. M. Mukundan, Scientist:-SI, CIFT, Burla, Orissa, (on leave), (H. Q. CIFT, Cochin) for registration for full-time research leading to the Ph.D. Degree of the University.

Resolved that Shri M. Mukundan be granted full-time registration for research in the University Department of Industrial Fisheries on the topic 'STUDIES ON THE DESIGN, CONSTRUCTION AND OPERATION OF PURSE SEINS IN THE WEST COAST OF INDIA' with Dr. M-Shahul Hameed, professor, Department of Industrial Fisheries as research guide, under the Faculty of Marine Sciences.

(Ac.)

Item No. 223.09 : Application for registration for research-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Smt. G. Nalini, C/o. Dr. S. Chakravarti,

XI/756, Opp. University Playground, Cochin - 16 for registration for research leading to the Ph. D. Degree of the University.

Resolved that Smt. G. Nalini be granted full-time registration for research in the University Department of Applied Chemistry on the topic "THEORY OF ELECTRON PROTON TRANSFER REACTIONS" with Dr K L. Sebastian as research guide under the Faculty of Science.

(Ac.)

Item No. 223.10 : Application for registration for research- Sri Jayakumar K. P. - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Sri Jayakumar K. P., Kunhipurayil P. O. Maniyur, Via. Payyoli, Calicut for registration for research leading to the Ph. D. degree of the University.

Resolved that Sri. Jayakumar K. P. be granted part-time registration for research in the University School of Environmental Studies on the topic HAEMATOLOGICAL STUDIES ON MOLLUSCS" with Dr. A. Mohandas, Reader, School of Environmental Studies as research guide, under the Faculty of Environmental Studies.

(Ac.)

Item No. 223.11 : Application for registration for research-Deni Kurian Thomas - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the

request of Shri Deni Kurian Thomas, Denni's Cottage, Pakkil P. O, Kottayam for registration for research leading to the Ph. D. degree of the University on the topic "AFRICA'S INDUSTRIAL DEVELOPMENT - STRUCTURE, PROBLEMS AND PROSPECTS- A CASE STUDY WITH REFERENCE TO KENYA" under the guidance of Dr. P. R. Wilson, Lecturer School of Management Studies.

Resolved that Shri Deni Kurian Thomas be not granted registration.

(Ac.)

Item-No.223.12 : Registration for research for Ph.D. Degree - Application of Smt. Lakshmy B-Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Smt. Lakshmy B. C/o. Dr. N. Krishna Iyer, Santhoshy, Thoundail Lane, Tripunithura Road, Cochin-16 for registration for research leading to the Ph. D. Degree of the University.

Resolved that Smt. Lakshmy be granted full-time registration for research in the University Department of Mathematics & Statistics on the topic "STOCHASTIC PROCESSES AND THEIR APPLICATIONS" with Dr. A. Krishnamoorthy, Reader, Department of Mathematics & Statistics as research guide, under the Faculty of Science.

(Ac.)

Item No. 223.13 : Registration for research for Ph. D. Degree-Applications consideration of Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, two applications for registration for research leading to Ph. D. degree under the faculty of Marine sciences.

Resolved that the two applicants as in Appendix I be granted registration for research leading to the Ph.D. Degree under the Faculty of Marine Sciences.

(Ac)

Item No. 223.14 : Change of topic of research-Requests from Smt. Suneela S. S. and Sri. Babu C. A. - consideration of

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the requests of Smt Suneela S S. and Sri Babu C.A. for change of their topic of research.

Resolved that the request for change of topic of research be accepted as under.

Name of the research student	Present topic	Proposed topic
Suneela S. S.	Some studies on the climatology of the Indian coasts.	Studies on the climatological aspects of air pollution potential over Trivandrum.

1	2	3
Babu C. A.	Studies on numerical Weather Prediction with special reference to India.	Studies on air pollution meteorology with special reference to Madras city

(Ac)

Item No. 223.15 : Recognition as research guide - application of Dr. A. R. Ramachandra Menon - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Dr A. R. Ramachandra Menon, Scientist, Division of Ecology, Kerala Forest Research Institute, Peechi for recognition as research guide of the University.

Resolved that Dr. A. R. Ramachandra Menon, be recognised as a research guide under the Faculty of Environmental Studies.

(Ac.)

Item No. 223.16 : Educational concessions to the blind students - Payment of mess allowance as adhoc-advance - Adoption of Government Order-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters,

the proposal for adoption of G. O. (Ms)No. 272/86/H. Edn. dated 23.10.1986

Resolved, that the G O (Ms) No. 272/86/H. Edn. dated 23.10.1986. as in Appendix II be adopted for implementation in the University.

(Ac)

Item No. 223.17 : Award of University Senior Research Fellowship to Smt. Rosamma Philip and Smt. Clara Margaret Kattikkaran, Research Scholars of the School of Marine Sciences

The Syndicate considered, along with recommendation of the Standing Committee on Academic Matters, the proposal for granting Senior Research Fellowships to Smt. Rosamma Philip and Smt. Clara Margaret Kattikkaran, Research Scholars of the School of Marine Sciences for completing their research work.

(1) Resolved that Senior Research Fellowships be granted to Smt. Rosamma Philip for a period of six months w. e. f. 1.1.1986 and to Smt. Clara Margaret Kattikkaran, for a period of one year with effect from 1.1.1986 or till the date of submission of the thesis whichever is earlier.

(2) Resolved further that no extension of period of fellowships be granted in respect of the above Research Scholars.

(Ac.)

**Item No. 223.18 : Ph.D. thesis submitted by
Shri. T. I. Palson,
-Evaluation-Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis submitted by Shri T. I. Palson, research student of the Department of Physics.

(1) Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri. T. I. Palson.

(2) Resolved further that the Vice-Chancellor be authorised to approve the panel of examiners and to appoint external examiners for evaluating Ph.D. thesis in all future cases

(E.A)

**Item No. 223.19 : Ph. D. Thesis submitted by
Sri. K. Krishnan Nampoothiri-
Evaluation - reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis submitted by Shri. K. Krishnan Nampoothiri, research scholar of the School of Management Studies.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the

external examiners for the evaluation of the thesis submitted by Shri K. Krishnan Nampoothiri.

(E. A)

**Item No. 223.20 : Ph. D. thesis entitled
"Growth and Characterization of Diammonium
Hydrogen Citrate and Citric
Acid Monohydrate Single
Crystals" submitted by
Shri. George Peter - Evaluation
Reports and Report of Viva
voce examination -
consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners, together with the consolidated report of the Chairman, Board of Examiners, and the minutes of the viva voce examination in respect of the Ph. D. thesis : GROWTH AND CHARACTERIZATION OF DIAMMONIUM HYDROGEN CITRATE AND CITRIC ACID MONOHYDRATE SINGLE CRYSTALS, submitted by Shri George Peter, full-time research student who worked in the Department of Physics under the guidance of Dr. Joy George, retired Professor of the University Department of Physics.

Resolved that Shri George Peter be declared eligible for the award of the Degree of Doctor of Philosophy under the Faculty of Science.

(E.A)

Item No. 223.21 : Ph.D. thesis entitled "Studies on the Magnetic Monopole solutions of Non-Abelian Gauge Theories and related problems" - submitted by Shri C. M. Ajith Kumar - Evaluation Reports-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the Individual reports of the examiners, together with the consolidated report of the Chairman, Board of Examiners, and the minutes of the viva voce examination in respect of the Ph.D. thesis, STUDIES ON THE MAGNETIC MONOPOLE SOLUTIONS OF NON-ABELIAN GAUGE THEORIES AND RELATED PROBLEMS, Submitted by Shri. C. M. Ajith Kumar, full-time research scholar who worked in the department of Physics under the guidance of Dr. K. Babu Joseph, Professor, Department of Physics.

Resolved that Shri. C. M. Ajithkumar be declared eligible for the award of the Degree of Doctor of Philosophy under the Faculty of Science for his thesis : STUDIES ON THE MAGNETIC MONOPOLE SOLUTIONS OF NON-ABELIAN GAUGE THEORIES AND RELATED PROBLEMS.

(E.A.)

Item No. 223.22 : Ph. D. thesis submitted by Anuradha Krishnan-Evaluation-Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by

Smt. Anuradha Krishnan, Research Scholar, working in the CMFRI, Cochin.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Smt. Anuradha Krishnan.

(E. A.)

Item No. 223.23 : Ph. D. thesis submitted by Shri Mathew George - Evaluation - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Shri. Mathew George, full-time research student, working in the University Department of Applied Economics.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri. Mathew George.

(E.A.)

Item No. 223.24 : Ph. D. thesis submitted by Shri. Gopal Prasad Mahobia-Evaluation - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the

proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Shri. Gopal Prasad Mahobia, full-time research student working in the CMFRI Cochin.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri. Gopal Prasad Mahobia.

(E A)

**Item No. 223.25 : Panels of Papersetters/
examiners approval of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the panels of paper setters/examiners for the Post-graduate Certificate and Diploma Examinations in German and Russian.

Resolved that the panels be approved.

Resolved further that the Vice-Chancellor be authorised to approve all such panels of papersetters/examiners in future.

(EA.)

**Item No. 223.26 : Request for exemption from
the refund of Junior Research
Fellowship - representation
of V. P. Vanajakumari, former
research scholar of the School
of Management Studies -
consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the

the request from Smt V. P. Vanajakumari, former research Scholar of the School of Management Studies for exempting her from refund of the Junior Research Fellowship amounting to Rs. 8,400/- received by her.

Resolved that the refund of the Junior Research Fellowship amounting to Rs. 8400/- received by Smt. V. P. Vanajakumari, former research scholar of the School of Management Studies be waived.

(Ac.B)

**Item No. 223.27 : Re-admission and fresh registration for research - Application
of Jomon Joseph - Consideration
of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Sri. Jomon Joseph, who was a research scholar under the School of Marine Sciences, for granting him fresh registration for fulltime research on the topic "STUDIES ON THE DYNAMICS OF COCHIN ESTUARY" under the guidance of Dr. P. G. Kurup, Professor, School of Marine Sciences.

Resolved that Sri. Jomon Joseph be granted registration for full-time research leading to the award of Ph. D. Degree under the Faculty of Marine Sciences, on the topic "STUDIES ON THE DYNAMIC OF COCHIN ESTUARY" under the guidance of Dr. P. G. Kurup, Professor, School of Marine Sciences.

(Ac.)

Item No. 223.28 : University Correspondence
Courses Examination-Number of
Chances to be given-
Consideration of.

The Syndicate considered, along with the recommendation of the standing Committee on Academic Matters, the proposal for determining the number of chances to be given further for various examinations in respect of the correspondence courses conducted under the School of Continuing Education.

Resolved that two more chances be given for the examinations in respect of Diploma in Banking, B. B. C. I & II Year, B. G. L. I & II Year, M. Sc Mathematics (by correspondence) I & II Year, and three more chances for the examinations in respect of BBC third year, and M Sc. Mathematics (by correspondence) third year subject to the conditions that each batch gets at least two chances after their regular examinations.

(E: B)

Item No. 223.29 : Payment of Advertisement
Charges to M/s. Hindu & Indian
Express-reg

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for the payment of advertisement charges amounting to a total of Rs. 28,296/- to The Hindu and the Indian Express in respect of the advertisement of various teaching posts.

Resolved that an amount of Rs. 18,216/- be paid to the Hindu (M/s. Kasturi & Sons) in settlement of

their bills No. 086866 and 090770 and an amount of Rs. 10,080/- to M/s. Indian Express in settlement of their bills MA/043273, MA/043274 and MA/043275.

(Ad.A)

Item No. 223.30 Kerala Government Servant
medical attendance Rules 1960-
Condonation of delay in presenting
medical reimbursement claims-
Delegation of powers.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for adoption of G. O (p) No. 164/86/H. & FWD dated 14.7.1986 relating to condonation of delay in presenting medical reimbursement claim upto six months.

Resolved that the G. O (P) No. 164/86/H & FWD dated 14.8.1986 as in Appendix III be adopted for implementation in the University and the powers be given to the Vice-Chancellor and Registrar for condoning delay in the case of gazetted officers and non-gazetted officers respectively.

(Ad B.)

Item No. 223.31 : Purchase of Potentiometer for
the Department of Electronics.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal of the Head, Department of Electronics for the purchase of potentiometer from M/s. Bruel & Kjaer, Denmark.

at a cost of DKR 33075 Rs. (57,220/-approx) through their Indian agents M/s. Jost's Engineering Co. Ltd., Bangalore.

(1) Resolved that the following types of potentiometers be purchased from M/s. Bruel & Kjaer, Denmark through their Indian agents M/s. Jost's Engineering Co. Ltd. Bangalore.

Description	Qty.	Unit price F. O. B Denmark DKR
1) B&K TYPE ZR001 Linear Potentiometers	1	11025 cash nett
2) B & K Type ZR002 Linear Potentiometers	1	11025
3) B&K Type ZR 004 Potentiometers	1	11025
		<u>33075</u>

(Approximately Rs. 57220/-)

(2) Resolved further that the Head of the Department of Electronics be authorised to open an irrevocable letter of credit in favour of M/s. Bruel & Kjaer, Denmark through their bankers Den Danske Bank, Denmark.

3) Resolved also that the Heads of Departments be directed to ensure and give a statement to the effect that sufficient enquiries have been made to ascertain the availability of equipments of the same description and are convinced of its non-availability through other agencies in India

when proposals for purchases are forwarded in future without inviting competitive quotations.

(PLA)

Item No. 223.32 : Purchase of Equipments to the Department of Physics.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposals forwarded by the Head of the Department of Physics for purchasing, Monochrometer, vibration free tables and optical fibres utilising the special grant of Rs. 15 lakhs sanctioned by the Ministry of Human Resources and Development, Government of India for modernising the laboratories of the Department.

(1) Resolved that the purchase of equipments and accessories as in Appendix IV be sanctioned, and that the Head of the Department of Physics be permitted to pay the clearing charges thereon.

(2) Resolved further that the Head of the Department of Physics be permitted to open a letter of credit in favour of M/s. Mepherson, USA for an amount of \$ 10,391.75 for the purchase of Monochrometer and another letter of credit in favour of M/s. Optomise Ltd, U. K. for an amount of \$ 3520.45 for the purchase of Optical Fibres.

(3) Resolved also that an amount of Rs. 50,000/- be sanctioned to the Head of the Department of Physics as advance for fabricating Vibration free tables.

(PLA)

Item No. 223.33. purchase of refrigerated centrifuge in the Department of Applied Chemistry.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for purchasing a refrigerated centrifuge forwarded by the Head of the Department of Applied Chemistry.

Resolved that the purchase of refrigerated centrifuge and its accessories as detailed below be sanctioned from M/S. M. B. Instruments, Bombay-400 063 and that the expenditure be met out of the funds sanctioned by the UGC for purchase of equipments.

Sl. No.	Description	Qty.	Total Excl. S. T. & other Charges	
			Rs.	Rs. Ps.
1.	MB 20 superspeed refrigerated Centrifuge	1	48,500.00	48,500.00
Accessories fixed angle Rotors for MB 20				
2.	MB 2002	6x250 ml.	3,000.00	3,000.00
3.	MB 2003	8x100 ml.		2,200.00
4.	MB 2005	4x100 ml.		2,000.00
5.	MB 2009	4x		2,200.00
6.	MB 2012	6x20ml.		1,850.00
7.	MB 2015	12x15 ml.		2,000.00

Vertical Rotors

8. MB 2017 8x25 ml. 9,300.00

Swing art Rotors

9. MB 2020 4x200 ml. 2,200.00
10. MB 2022 4x50ml. 2,800.00

Continuous Action Rotors

11. MB2012 1 Unit 9,600.00
12. Nylon insert for above 1 Unit 2,400.00
13. Spare brushes for motor 1 Pair 120.00
14. Spare plastic tubes 500mlx4 90 360.00
250mlx6 60 360.00
100mlx8 20 160.00
50mlx4 12 48.00
15mlx10 8 80.00
Spare glass tubes 200mlx4 250 1,000.00
50ml4x 40 160.00

Total 90,618.00

(PLA)

Item No. 223.34 : Purchase of Microwave Instruments and Components for the new M. Tech Course.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for purchasing certain Microwave Instruments

and Components forwarded by the Head of the Department of Electronics, utilizing the Special assistance made available by the University Grants Commission for the Introduction of Microwave and Radar Electronics as a new specialisation in the M. Tech in Electronics.

Resolved that the Head of the Department of Electronics be permitted to purchase Microwave Instruments and Components as in Appendix V at a total cost of Rs 98,340/-excluding S. T., Transportation charges etc. from M/s. Scientific Instruments Co Ltd., Madras.

(PLA)

Item No. 223.35 : Telephone facility to the Lakeside Campus Hostel- Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for the installation of a telephone in the Lakeside Campus Hostel, Ernakulam.

(1) Resolved that a telephone be sanctioned for the Lakeside Campus hostel under non-OYT Scheme.

(2) Resolved further that possibilities be explored for obtaining the telephone under non-OYT special priority category.

(GA & LA)

Item No. 223.36 : Works - Rewiring the Marine Sciences old block at the Lakeside Campus - Estimate- consideration of.

The item was withdrawn since the Vice-Chancellor had taken action and reported the matter for ratification by the Syndicate under item No. 223.73.

(PLA)

Item No. 223.37 : Panels of Papersetters/ Examiners - approved - reporting of.

The Syndicate noted that the Vice-Chancellor had approved the panels of papersetters/ Examiners of the following examinations forwarded by the Chairman of the concerned Boards of Studies.

1. B. Tech. Degree Eighth Semester Examination in Naval Architecture and Ship Building.
2. M. A. Degree Examination in Hindi Language and Literature.
3. M. Phil. Degree Examination in Hindi.
4. Post Graduate Diploma Examination in Translation Administrative Drafting and Reporting in Hindi.
5. M. Tech. Degree (Part-time) First Semester Examination
6. M. Tech. Degree Examination in Electronics.
7. M. Tech. Degree Examination in Computer and Information Science.

Resolved that the action taken by the Vice-Chancellor be ratified.

(E.A)

Item No. 223.38 : The project 'Computer aided ship design' - Purchase of Micro-Computer - Action taken by the Vice-Chancellor - reporting of.

The Syndicate noted that the Vice-Chancellor had sanctioned the purchase of one Micro-Computer from M/s. WIPRO Information Technology Ltd, who had quoted the lowest, at a total cost of Rs. 90,000/- out of the fund sanctioned by the Government of India for the purchase of a Computer for the project "Computer aided ship design" under the Department of Ship Technology.

Resolved that the action taken by the Vice-Chancellor be ratified.

(PLA)

Item No. 223.39 : Guest Lecturers-School of Marine Sciences-Physical Oceanography Division- engagement of-action taken by the Vice-Chancellor- Ratification of.

The Syndicate noted that the Vice-Chancellor had permitted the Head of the Physical Oceanography and Meteorology Division of the School of Marine Sciences to engage Dr. M. Baba, Scientist-in charge, CESS Regional office, Ernakulam as Guest Lecturer to handle 30 hours of theory classes in Applied Physical

Oceanography for the M. Sc (Oceanography) IV Semester students, subject to ratification by the Syndicate.

Resolved that the action taken by the Vice-Chancellor be ratified.

(Ac.A)

Item No. 223.40 : Residential telephone to the University Engineer under OYT Scheme sanctioned- Ratification of.

The Syndicate noted the action taken by the Vice-Chancellor in having sanctioned installation of the residential telephone to the University Engineer under OYT category in view of the delay anticipated in installing the above telephone under non-OYT category and considering the urgency, and the public interest involved in having a telephone at the University Engineer's residence.

Resolved that the action by the Vice-Chancellor be ratified.

(GA & LA)

Item No. 223.41. : Purchase of Duplicating Paper.

The Syndicate noted that the Vice-Chancellor had sanctioned purchase of 1000 reams of duplicating paper from the Mandya Paper Mills Ltd., a subsidiary of Hindustan paper Corporation, and for the drawal of an amount of Rs. 27,949.12 as advance towards the cost of paper and its transportation, loading and unloading charges, subject to ratification by the Syndicate.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad.C)

Item No. 223.42 : Guest Faculty for M. Tech (Part-time) Course-Appointment of Sri C. V. Roy in the place of Shri M. Mathurakani - Ratification of.

The Syndicate noted that the Vice-Chancellor had permitted the Reader-in-charge, School of Technology to engage Shri C. V. Roy, Director, Computer Institute, Mullassery Canal Road, Ernakulam as Faculty for the M. Tech (Part-time) course in Electrical Engineering II Semester in place of Shri M. Mathurakani Scientist, NPOL whose name the Syndicate had approved, in view of the latter's inability to engage classes as per the time-table subject to ratification by the Syndicate

Resolved that the action of the Vice-Chancellor be ratified.

(Ac.A)

Item No. 223.43 : Institution of M Phil Scholarship for M. Phil. (Commerce) course - Recommendation of the Statutory Finance Committee - consideration of.

The Syndicate considered, along with the recommendation of the Statutory Finance Committee, the proposal of the Director, School of Management Studies for institution

of two M. Phil Scholarships for the newly started M. Phil Degree Course in Commerce beginning from 1985-86.

Resolved that the recommendation of the Statutory Finance Committee be accepted and the M. Phil Scholarships be not instituted.

(Ac.)

Item No. 223.44 : Smt. V. M. Sunandakumari, Research Scholar, Department of Mathematics and Statistics - Relief from JRF - Ratification of.

The Syndicate noted that the Vice-Chancellor had sanctioned relief of Smt V. M. Sunandakumari, Research Scholar, Department of Mathematics and Statistics from the UJRF w. e. f. 13.8.1986 and for conversion of the full-time registration for research granted to her as part-time, in view of her having obtained a teaching job in a Government college.

Resolved that the action of the Vice-Chancellor be ratified.

(Ac B.)

Item No. 223.45 : Appointment of Matron - consideration of.

The Syndicate, considered, along with the recommendation of the standing Committee on Staff & Establishment, the proposal for appointing a Matron for the Women's

hostel, consequent on termination of the term of appointment of the present Matron Smt, A. K. Suseela on 1.2.1987.

Resolved that the term of appointment Smt. A. K. Suseela be extended for a further period of two years w. e. f. 2.2.1987 under the present terms and conditions.

(Ad.A)

Item No. 223.46 : Request from Shri C. C. John, Driver to reckon the period of term appointment for leave and increment - consideration of.

The Syndicate considered, along with the recommendations of the Standing Committees on Staff and Establishment and Finance and Purchase, the request of Shri C. C. John, Driver, to reckon the service put in by him from 28.2.1972 to 1.2.1974 for leave and increment as he was regularised in the University service w. e. f. 2.2.1974.

Resolved that the service put in by Shri C. C. John, Driver, during his term appointment in the University from 28.2.1972 A. N. to 1.2.1974 A. N. be reckoned for granting increments and his pay be fixed accordingly.

(Ad.A)

Item No. 223.47 : Provision of office room to Assistant Warden in the Hostels - Ratification of the action of the Vice-Chancellor-Reg.

The Syndicate noted that the Vice-Chancellor had sanctioned Assistant Wardens room in the various hostels as their office and permitted them to stay there during night in order to facilitate their better functioning.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.48 : Research Project entitled "Chemical Studies on the sediment / water interface in the Eloor Branch of the Periyar River with special reference to the heavy metals" - Implementation of the Project - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for implementation of a research project entitled "Chemical Studies on the Sediment/water interface in the Eloor Branch of the Periyar River with special reference to the heavy metals" sanctioned by the Kerala State Committee on Science, Technology and Environment with financial assistance of Rs. 50,000/- under the joint mentorship of Dr. Jacob Chacko, Reader and Dr. Chandramohan Kumar, Lecturer of the School of Marine Sciences.

(1) Resolved that the project be carried out in the University.

(2) Resolved further that the Vice-Chancellor be authorised to give permission to carry out projects / research schemes funded by external agencies subject to reporting to the Syndicate:

(PL.)

Item No. 223.49 : Admission of Naval Cadets to B. Tech. (NA & SB) Degree Course 1987-88 - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal to admit Navy Cadets to the B. Tech Degree course in Naval Architecture and Ship Building, over and above the normal intake of 20, subject to the various conditions stipulated in the Regulation applicable to the course.

Resolved that admissions of 6 naval candidates over and above the normal intake of 20 to the B. Tech. Degree course in Naval Architecture and Ship Building be agreed to subject to the consensus arrived at the meeting held on 5.11.1986. as recorded in the minutes vide Appendix VI

(Ac.A)

Item No. 223.50 : Examination fee for submission of project work in respect of B. Tech degree course in Naval Architecture and Ship building VIII & IX Semesters - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic

Matters, the proposal of the Head of the Department of Ship Technology to restrict Collection of fees for Project work to IX semester only as the students are submitting the dissertation only in their IX semester and that spreading over of the project work to VIII & IX semester was only for administrative concurrence.

Resolved that the fees for the project work in respect of the B. Tech in Naval Architecture and Ship Building course be levied only in the IX semester.

(Ac.A)

Item No. 223.51 : Recognition as research guide - Application of Dr. K. S. Neelakandan Namboodiripad - consideration of - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the application of Dr K. S. Neelakandan Namboodiripad for recognising him as supervising guide under the Faculty of Marine Sciences.

Resolved that Dr. K. S. Neelakandan Namboodiripad, Lecturer, School of Marine Sciences be recognised as a supervising guide under the Faculty of Marine Sciences for guiding research leading to the award of Doctor of Philosophy.

(Ac.B)

Item No 223.52 : Regulations for recognition as research guides - Modification - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposals for modification sought for in the Regulation relating to recognition of research guides.

Resolved that fresh registration under research guides who have retired from service be not granted but such guides be permitted to supervise research work of the students who were already granted registration for research under their supervisors.

Resolved further that research guides under suspension from service and on long leave be not entitled to supervise the research work of the students and that such students be required to choose other approved research guides.

(Ac B)

Item No 223 53 : Permission to continue as research guide after retirement from service-Request from Dr. Joy George, Retired Professor, Department of Physics-Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Dr. Joy George, Retd. Professor,

of the University Department of Physics to permit him to continue to guide the research students.

Resolved that Dr Joy George, Retired Professor of the University Department of Physics and other retired professors who are approved guides be permitted to guide the research students who were already granted registration under their supervision.

(Ac.)

Item No. 223.54 : Ph D. thesis entitled, 'Managemnt of the Postal services in India : A study with reference to Kerala circle' submitted by Shri K B. Harikumaran Nayar-Evaluation Reports and Report of Vivavoce Examination-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners, together with the consolidated report of the Chairman, Board of Examiners, and the minutes of the viva voce examination in respect of the Ph. D. thesis **MANAGEMENT OF THE POSTAL SERVICES IN INDIA : A STUDY WITH REFERENCE TO KERALA CIRCLE**, submitted by Shri K. B. Harikumaran Nayar, part-time research scholar who worked in the School of Management Studies under the guidance of Prof. P. Ramachandra Poduval, Professor, School of Management Studies.

Resolved that Shri K. B. Harikumaran Nayar be declared eligible for the award of the degree of Doctor

of Philosophy under the Faculty of Social Sciences, for his thesis **MANAGEMENT OF THE POSTAL SERVICES IN INDIA: A STUDY WITH REFERENCE TO KERALA CIRCLE.**

(Exam.)

Item No. 223.55 : **Ph. D thesis submitted by Shri. D. Rajasenan, Evaluation-Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D thesis submitted by Shri D Rajasenan, research scholar, working in the Department of Applied Economics of the University.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri D. Rajasenan.

(E. A.)

Item No 223.56 : **Ph.D. thesis submitted by Shri G. Devarajan-Evaluation-reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis submitted by Shri G. Devarajan, research scholar, working in the Department of Electronics.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint

the external examiners for the evaluation of the thesis submitted by Shri G. Devarajan.

(E.A.)

Item No. 223.57 : **Ph.D. thesis entitled, "Studies on Bacterial indicators and Pathogen Vibrio Parahaemolyticus in Cochin Backwater" submitted by Shri R. Pradeep, Evaluation reports and Report of viva voce examination - Consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners, together with the consolidated report of the Chairman, Board of Examiners, and the minutes of the viva voce examination in respect of the Ph.D. thesis **STUDIES ON BACTERIAL INDICATORS AND PATHOGEN VIBRIO PARAHAEMOLYTICUS IN COCHIN BACKWATER**, submitted by Shri. R. Pradeep, full-time research scholar who worked in the School of Marine Sciences under the guidance of Dr. P. Lakshmanaperumalsamy, Reader, School of Marine Sciences.

Resolved that Shri R. Pradeep be declared eligible for the award of the degree of Doctor of Philosophy under the Faculty of Marine Sciences for his thesis **STUDIES ON BACTERIAL INDICATORS AND PATHOGEN VIBRIO PARAHAEMOLYTICUS IN COCHIN BACKWATER.**

(Exam.)

**Item No. 223.58 : Ph.D. thesis submitted by
P. Annam Chacko-Evaluation-
Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Smt. P. Annam Chacko, research scholar working in the Department of Applied Chemistry.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Smt. Annam Chacko.

(E A)

**Item No. 223.59 : Ph.D. thesis submitted by
K. E. George-Evaluation-Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Shri K. E. George, part-time research scholar working in the Department of Polymer Science & Rubber Technology.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri K. E. George.

(E.A)

**Item No. 223.60 : Ph.D. thesis submitted by
K. R. Santhosh - Evaluation -
Reg**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Shri K. R. Santhosh, part-time scholar working in the School of Marine Sciences.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri K. R. Santosh.

(E A.)

**Item No. 223.61 : Ph.D. thesis submitted by
M. G. Joseph - Evaluation - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph.D. thesis submitted by Shri M. G. Joseph, part-time research scholar working in the Naval Physical and Oceanographic Laboratory, Cochin.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri M. G. Joseph.

(E.A)

**Item No. 223.62 : Ph. D. thesis submitted by
A. M. Ravindran - evaluation - reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis submitted by Shri A. M. Ravindran, full-time research scholar working in the Department of Applied Economics.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri A. M. Ravindran.

(E.A.)

**Item No. 223.63 : Ph. D. thesis submitted by Shri
K. Gopalakrishnan Nayar,
Evaluation-Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis submitted by Shri. K. Gopalakrishnan Nayar, part-time research scholar, working in the School of Management Studies.

Resolved that the panel of examiners be approved and that the Vice-Chancellor be authorised to appoint the external examiners for the evaluation of the thesis submitted by Shri K. Gopalakrishnan Nayar.

(E.A.)

**Item No. 223.64 : Allowance - Special Festival
allowance during 1986-87
to pensioners - G. O. adopted
for implementation - ratification of.**

The Syndicate noted that the Vice-Chancellor had sanctioned adoption for implementation of G. O. (MS) No. 559/86/Fin. dated 23.8. 1986 relating to payment of special festival allowance of Rs. 50/- to pensioners.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad.A)

**Item No. 223.65 : Medical reimbursement in
respect of Shri B. Kunju
Pillai, Instrument Technician
Department of Physics -
Sanctioning of- Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance and Purchase, the proposal for sanctioning reimbursement of Medical expenses amounting to Rs. 601.55 incurred by Shri B. Kunju Pillai, Instrument Technician, Department of Physics for the treatment undertaken in a recognised hospital.

Resolved that Shri B. Kunju Pillai, Instrument Technician, Department of Physics be reimbursed an amount of Rs. 601.55 towards the medical expenses incurred by him.

Resolved further that the Vice-Chancellor be authorised to sanction reimbursement of medical expenses in all cases.

(Ad.B)

Item No. 223.66 : Kerala Government servants Medical Attendance Rules 1960 - Inclusion of the Human Diploid Cell-Antirabic vaccine among items eligible for reimbursements.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for inclusion of the Human Diploid Cell as an item eligible for reimbursement under Kerala Government Servants Medical Attendance Rule 1960 as sanctioned in G. O. (P) No. 240/86/H&FWD dated 2.12.1986.

Resolved that Human Diploid Cell - Antirabic vaccine be an item eligible for reimbursement under the Medical Reimbursement Rules followed by the University.

(Ad.B)

Item No. 223.67 : Shri B. Rami Reddi, Reader, School of Marine Sciences - Request for leave - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff and Establishment,

the request for commuted leave for 33 days w. e. f. 30.12.1986 to 31.1.1987 received from Shri B. Rami Reddi, Reader, School of Marine Sciences.

Resolved that Shri B. Rami Reddi, Reader, School of Marine Sciences be granted commuted leave for 33 days w. e. f. 30.12.1986 to 31.1.1987.

(Ad.A)

Item No. 223.68 : Shri K. J. Vincent, Reader, School of Management Studies - Extension of leave - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff and Establishment, the request from Shri K. J. Vincent, Reader, School of Management Studies for extension of commuted leave for 26 days from 24. 11.1986 to 19.12.1986 in continuation of the leave already granted to him upto 23.11.1986.

Resolved that Shri K. J. Vincent, Reader, School of Management Studies be granted commuted leave for 26 days from 24.11.1986 to 19.12.1986 in continuation of the leave already granted to him upto 23-11-1986.

(Ad.A)

Item No. 223.69 : Request for retaining lien in the University received from Dr. D. V. Viswanadham, former lecturer, School of Marine Sciences - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment

the request from Dr. D V. Viswanadham, former lecturer of the School of Marine Sciences for retaining his lien in the University till he is confirmed in his present post at the Banaras Hindu University.

Resolved that the matter may lie over for the present.

(Ad A)

Item No. 223.70 : Dr. N. Parameswaran Nair, Professor, School of Management Studies-Request for leave consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on staff & Establishment, the request from Dr. N. Parameswaran Nair, Professor, School of Management Studies, for leave from 26.9.1986 to 16.11.1986.

Resolved that Dr. N. Parameswaran Nair, Professor, School of Management Studies be granted leave as stated below:

Earned leave - 4 days from 26.9.1986 to 29.9.1986

Half pay leave - 40 days from 30.9.1986 to 8.11.1986

Leave without allowance from 9.11.1986 to 16.11.1986.

(Ad.A)

Item No 223.71 : Medical reimbursement in respect of Shri M. C. Chothy, Special Grade Peon, University office.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance and Purchase, the proposal for sanctioning reimbursement of medical expenses amounting to Rs. 839.95 incurred by Shri M. C Chothy, Special Grade Peon, University office for the treatment carried out in a Government Hospital.

Resolved that an amount of Rs 839.95 be reimbursed to Shri M. C. Chothy, Spl. Grade Peon, University Office towards the medical expenses incurred by him.

(Ad.B)

Item No. 223.72 : Registration for part-time research to self-employed candidates-proposal for amending the Regulation for research-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the two applications from M/s. Jose Mathew, Kurichiyel P. O Kozha, Kottayam and Shri Ajakumar, V.. Kumarasadanam, Mannanthala P. O. Trivandrum, the former being self-employed and the latter unemployed for P. T. registration for doing research leading to the award of Ph D. Degree under the Faculty of Social Sciences and Law respectively.

Resolved that self-employed persons be permitted to register themselves for doing research and the applications of the above candidates be processed accordingly.

(Ac.)

Item No. 223.73 : Works - Rewiring the Marine Sciences old block at the Lakeside Campus-Estimate approved by the Vice-Chancellor - ratification of.

The Syndicate noted that the Vice-Chancellor had approved the estimate amounting to Rs. 2,00,000 forwarded by the University Engineer for the rewiring work of the School of Marine Sciences, subject to ratification by the Syndicate.

Resolved that the action taken by the vice-Chancellor be ratified.

(PL)

Item No. 223.74 : Installation of an independent telephone for the Centre for Sponsored Research and Consultancy - sanctioned - Ratification of.

The Syndicate noted that the Vice-Chancellor had sanctioned a telephone for the Centre for Sponsored Research and Consultancy under OYT category, utilising the funds available with the CSRC, subject to ratification by the Syndicate.

Resolved that the action of the Vice-Chancellor be ratified.

(GA & LA)

Item No. 223.75 : Guest Lecturer-Department of physics-Engagement-reg

The Syndicate noted that the Vice-Chancellor had permitted the Head of the Department of physics to engage Dr. V. C Kurlakose, Professor of Physics, U. C. College, Alwaye and Dr. Srinivasa Rao, Professor, Institute of Mathematical Science, Madras as Guest Lecturers for delivering 20 lectures by each on Nuclear and Practical Physics during January 1987 to April 1987 on usual terms and conditions.

Resolved that the action of the Vice-Chancellor be ratified.

(Ac.)

Item No 223.76 : The project "Isolation and Characterisation of Amylolytic Bacteria for their possible use in Biotechnology"- Implementation of the project in the University- Reporting of.

The Syndicate noted that the Vice-Chancellor had sanctioned Implementation of a research project "Isolation and Characterisation of Amylolytic Bacteria for their possible use in Biotechnology", sanctioned by the Kerala State Committee on Science, Technology and Environment with a total financial outlay of Rs. 25, 000/- under the investigatorship of Dr. M. Chandrasekharan, Lecturer, Department of Applied Chemistry.

Resolved that the action taken by the Vice-Chancellor be ratified.

(PLA)

Item No. 223.77 : Works - Procurement of levy cement for works - Advance payment sanctioned by the Vice-Chancellor - reporting of.

The Syndicate noted that the Vice-Chancellor had sanctioned purchase of 300 tonnes of levy cement from M/s. Associated Cement Companies Ltd., Madras at a cost of Rs. 3,05,250/- (including transportation loading and unloading etc.) and permitted the University Engineer to draw the amount as advance for effecting the purchase.

Resolved that the action of the Vice-Chancellor be ratified.

(PLA)

Item No. 223.78 : Enhancement of monetary limit fixed in exception below Rule 93 Part I Kerala Service Rule - G. O. adopted for implementation - reported for ratification.

The Syndicate noted that the Vice-Chancellor had sanctioned adoption of G. O. (P) No. 20/86/Fin. dated 3.2.1986 enhancing the monetary limit in the exception below Rule 93 Part I, KSR from Rs. 605/- to Rs. 1100/- subject to ratification by the Syndicate.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.79 : Pay Revision 1983-Drop in DA consequent on change over to revised scales of pay-Protection of the drop as personal allowance-G. O. adopted for implementation-reported for ratification.

The Syndicate noted that the Vice-Chancellor had sanctioned adoption for implementation in the University the G. O. No. (P) 816/85/ (5)/Fin. dated 17.12.1985 relating to protection of the drop in DA on changing over to new scales of pay as per the general pay revision from 1983, by sanctioning personal allowance subject to ratification by the Syndicate.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.80 : Travelling Allowance-Tour of Officers outside the state-revision of rates of reimbursement of room rent-G. O. adopted for implementation in the University-reported for ratification.

The Syndicate noted that the Vice-Chancellor had sanctioned adoption of G. O. (P) 429/86/Fin. dated

18.6.1986 regarding enhancement of the rates of room rent reimbursable to Government servants while on tour outside the State for implementation in the University subject to ratification by the Syndicate.

Resolved that the action taken by the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.81 : **Compensatory allowance to officers deputed for training outside the State - rates enhanced - Government Order adopted for implementation - reported for ratification.**

The Syndicate noted that the Vice-Chancellor had sanctioned adoption of G. O. (P) No. 415/86/Fin. dated 7.6.1986 revising the monthly allowance payable to officers on deputation for periods exceeding 3 months, subject to ratification by the Syndicate.

Resolved that the action taken by the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.82 : **Appointment of Director of Planning and Development in the University.**

The Syndicate considered along with the recommendation of the Standing Committee on Staff and Establishment

the proposal for filling up the post of Director of Planning and Development vacant in the University.

Resolved to fill up the post as Planning and Development Officer as originally created in the scale of pay of Rs. 1950-2950 and to advertise the same immediately with qualifications fixed by the Syndicate at its meeting held on 1.7.1978.

(Ad.A)

Item No. 223.83 : **Sri. S. Paramanandan, Head of the Department of Ship Technology - Request for leave - reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Staff and Establishment the request received from Prof. S. Paramanandhan, Head, Department of Ship Technology for leave without allowances for 4 months by the end of March or early April, 1987 for proceeding to United States.

Resolved that Prof. S. Paramanandhan, Head, Department of Ship Technology be granted leave without allowances for 4 months from the date of his avail in March/April 1987 and that he be permitted to proceed to United States.

(Ad.A)

Item No. 223.84 : **Creation of posts of Section Officer and Assistant Grade II - reg.**

The Syndicate considered, along with the recommendations of the Standing Committees on Staff and Establish-

ment and Finance and Purchase, the proposal to create one post of Section Officer in the Audit Section of the University and one post of Assistant for the DRDO-University of Cochin Computer Centre.

(1) Resolved that one post of Assistant Grade II in the Scale Rs 675-1125 be created for the DRDO-University of Cochin Computer Centre subject to the concurrence of the Statutory Finance Committee for an initial period of one year in relaxation of the rules regarding economy in expenditure as the post is considered absolutely essential.

(2) Also resolved that the post of Section Officer need not be created at present.

(Ad)

Item No. 223.85 : **Purchase of a new bus - reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal to purchase one new bus for the University.

(1) Resolved that one 49 seater TATA chasis be purchased and the same be provided with aluminium body.

2) Resolved further that steps be taken as per Rules to dispose of the present bus KEE 277.

(G.S)

Item No. 223.86 : **Allowance - Dearness Allowance - Revision of - adoption for implementation in the University-reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance and Purchase, the proposal for adoption of the G. O. (P) No. 937/86/ Fin. dated 23.12.1986 regarding the revised rates of Dearness allowance w. e. f. 1.4.1986.

Resolved that G. O. (P) No. 937/86/Fin. dated 23.12.1986 as in Appendix VII be adopted for implementation in the University.

(Ad A)

Item No. 223.87 : **Payment of Advertisement charges to Messrs. Kerala Kaumudi and Mathrubhumi-Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase the proposal for payment of bills towards advertisement charges for notification of teaching posts in the University in the Kerala Kaumudi dated September 7, 1986 and in Mathrubhoomi dated September, 8, 1986.

Resolved that the bills detailed below be paid.

Name of Publication	Bill No.	Amount to be Paid	
		Rs.	Rs.
Kerala Kaumudi	11369 dt. 20.10.1986	1275 00	
	11370 dt. 20.10.1986	1275 00	
	11371 dt. 20.10.1986	<u>1275.00</u>	
			3825.00
Mathrubhumi	D 90344 dt. 16. 9.1986	2556 80	
	D 90370 dt. 16. 9.1986	2556 80	
	D 90346 dt. 16. 9.1986	<u>2556 80</u>	
			7670.40
			<u>11495.40</u>
Total			

(Ad.A)

Item No. 223.88 : Enhancement of Shoe allowance to Drivers, Conductors and Duffadars-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the request of the Drivers, Conductors and Duffadars for enhancing the shoe allowance of Rs. 60/- now paid to them to Rs. 110/-

Resolved that the matter be referred to the Inter-University Consultative Committee for consideration.

(Ad.C)

Item No. 223.89 : Purchase of Pulse Polarograph for the School of Environmental Studies.

The Syndicate Considered, along with the recommendation of the Standing Committee of Finance & Purchase, the proposal for purchasing one Pulse Polarograph for the School of Environmental Studies at a total cost of Rs. 49,500/- excluding transporting and other charges from Messrs. Elico Private Ltd., Hyderabad.

Resolved that the pulse Polarograph be purchased at a total cost of Rs. 49,500/-excluding transportation and other incidental expenses, if any, from M/s. Elico Private Ltd., Hyderabad.

(PLA)

Item No. 223.90 : Enhancement of the rates of remuneration payable to the examiners for certain items of work relating to the conduct of University Examinations.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for the enhancement of rates of remuneration payable to the examiners for various items of work relating to the conduct of certain University examinations recommended by the Inter-University Consultative Committee at its meeting held on October 17, 1986.

Resolved that the revised rates of remuneration for the conduct of certain University examinations suggested by the Inter-University Consultative Committee as in Appendix VIII be approved.

(Exam.C)

Item No. 223.91 : Works-Procurement of cables for electrical works-Payment of cost-Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the proposal of the University Engineer to purchase certain items of cables required for the electrification of various buildings of the University at a total cost of Rs. 1,08,546.57 and the request for permitting him to draw a sum of Rs. 1,09,200/- as advance for the payment towards the cost of the cables and to meet expenditure on loading and unloading, transportation etc.

Resolved that the University Engineer be permitted to purchase cables as detailed in Appendix IX from M/s. Aluminium Industries Ltd. and to draw a sum of Rs. 1,09,200/- as advance for the purpose.

(PLA)

Item No. 223.92 : Dr. (Mrs) Deo Prabha Vasant. Reader, Department of Electronics-Relief from University service-Action of the Vice-Chancellor-ratification of.

The Syndicate noted the action taken by the Vice-Chancellor in having accepted the resignation tendered

by Dr. (Mrs). Deo Prabha Vasant, Reader, Department of Electronics and relieved her from the service of the University on 6.1.1987.

Resolved that the action taken by the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.93 : The project entitled "Detailed Investigation on Geo-Chemistry of the trace elements in the sediments of the Ashtamudy Lake, Kerala" - Implemented-reporting-reg.

The Syndicate noted the action taken by the Vice-Chancellor in having implemented the project entitled "Detailed Investigation on Geo-Chemistry of the trace elements in the sediments of the Ashtamudy Lake, Kerala" in the School of Marine Sciences of the University under the guidance of Shri K. Sejan, Lecturer of the School utilising the grant of Rs. 25,000/- made available by the Kerala State Committee on Science, Technology and Environment.

Resolved that the action taken by the Vice-Chancellor be ratified.

(PLA)

Item No. 223.94 : Dr. M. T. Sebastian, Lecturer, Department of Physics-Request for relief from University service-Action of the Vice-Chancellor-ratification of

The Syndicate noted the action of the Vice-Chancellor in having accepted the resignation of Dr. M. T. Sebastian, Lecturer, Department of Physics from University Service and relieved him from the University on the A. N. of 5.1.1987.

Resolved that the action taken by the Vice-Chancellor be ratified.

(Ad.A)

Item No. 223.95 : Works - Construction of a building for DRDO - Cochin University Computer Centre - work awarded to the KSCC Ltd., by the Vice-Chancellor - reporting of.

The Syndicate noted, that the action taken by the Vice-Chancellor in having entrusted the construction work of the DRDO-University of Cochin Computer Centre Building with the Kerala State Construction Corporation Ltd. at 100% above the estimated rate of Rs. 33,87,000/- under the same terms and conditions under which the works are now awarded to the Corporation.

Resolved that the action taken by the Vice-Chancellor be ratified.

(PLA)

Item No. 223.96 : Ph. D. thesis entitled "Structure of Marketing Channels of Selected Manufacturing Industries in Kerala" submitted by Shri. G. Antony- Evaluation Reports and Report of Viva voce examination- consideration of.

The Syndicate Considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners together with the consolidated report of the Chairman, Board of Examiners and the minutes of the viva voce examination in respect of the thesis: STRUCTURE OF MARKETING CHANNELS OF SELECTED MANUFACTURING INDUSTRIES IN KERALA, submitted by Shri. G. Antony, part-time research scholar who worked in the School of Management Studies under the supervision of Prof. N. Ranganathan.

Resolved that Shri. G. Antony be declared eligible for the award of the degree of Doctor of Philosophy under the Faculty of Social Sciences for the thesis submitted by him.

(Exam.A)

**Item No. 223.97 : Dr. G. S. Sharma, Professor
in Physical Oceanography
(under suspension), School
of Marine Sciences -
Judgement of the High Court
of Kerala in O. P. No. 8945 -
Conduct of Enquiry -
Nomination of Presentation
Officer - Reg.**

The Syndicate noted that the Hon. High Court of Kerala has dismissed the O. P. No. 8945 filed by Dr. G. S. Sharma, Professor of Physical Oceanography (Under suspension), School of Marine Sciences against the disciplinary action initiated against him and directed that the Enquiry against him be completed within two months from the date of judgement viz. 15-1-1987. In the light of the judgement the Syndicate considered the proposal for nominating a person to present the case before the Inquiring Authority as per Statute 31 of the Cochin University First Statutes, 1981.

Resolved that the Vice-Chancellor may nominate an officer of the University as the Presentation Officer as per Statute 31 of the Cochin University First Statutes, 1981.

(GA & LA)

**Item No. 223.98 : Appointment of Professors,
Readers and Lecturers.**

The Syndicate considered the recommendation of the Boards of Appointments which interviewed the

candidates for appointment to teaching posts notified vide notifications No. Ad. A2. 66/86/A, B & C dated 25-8-1986.

Resolved that (1) the ranked list prepared by the various Boards of Appointment be approved as given below and the same be published in the notice board of the University and in the Kerala Gazette as provided for in the Cochin University of Science and Technology Act 1986.

Post No.	Dept./ School	Specialization	Rank No.	Name	Date of birth	Caste
----------	---------------	----------------	----------	------	---------------	-------

Category A. Professor

1. Mathematics & Statistics	Applied Mathematics	1. Dr. A. Krishnamoorthy	17.12.48	Hindu
2. Mathematics & Statistics	Statistics	1. Dr. N. Unnikrishnan	2. 5.45	Nair

Category B. Reader

1. Physics	Industrial Physics	1. Dr. K. P. Vijayakumar	14.9.53	Nair
2. Ship Technology	Strength of Ships and Practical ship Building	1. Sri. Dileep K Krishnan	30.6.55	Ezhava
3. Polymer Science & Rubber Technology	Polymer Technology	1. Smt. Rani Joseph	16.11.52	R. C. X'ian
		2. Dr. M. R. Gopinathan Nair	20. 1.49	Nair

Category B. Lecturers

1. Ship Technology	Naval Architecture	1. Sri. K. R. Hareendra Varma	5.9.57	Kashatriya
--------------------	--------------------	-------------------------------	--------	------------

Post No.	Dept./ School	Specialization	Rank No.	Name	Date of birth	Caste
2				Sri. S. Surendran	1.1.56	Valan
3				Sri. M. Nasar	30.11.56	Muslim
1	2. School of Management Studies	Econometrics/ Quantitative Techniques	1	Dr. T. Mary Joseph	19.1.49	Jao. X'ian
1	3. Mathematics & Statistics	Applied Mathematics	1	Dr. M. N. Narayanan Namboodiri	15.8.53	Brahmin
2			2	Dr. A. Vijayakumar	12.5.58	Nair
1	4. School of Management Studies	Marketing Management	1	Sri. C. A. Francis	29.12.51	R. C. X'ian
2			2	Sri. Simon George	1.12.55	X'ian
3			3	Sri. Sanjaya K.	10.12.62	Nair
1	5. Computer Science		1	Sri. P. Ameer Ali (on contract basis)	16.5.57	

2. The Vice-Chancellor be authorised to make appointments from the above ranked list as per rules observing communal reservation rules as provided under 7(2) of the Cochin University of Science and Technology Act, 1986

3. To re-advertise the following posts for which there were no suitable candidates.

Name of Post	Department/School
Professor, in Rubber Technology	Department of Polymer Science & Rubber Technology
2. Lecturer in Applied Thermo science	Department of Ship Technology

(Ad.A)

Item No. 223.99 : Constitution of the Finance Committee-deputation of Chairman.

The Syndicate considered the proposal for deputing a Chairman for the Finance Committee provided for under sub-section (1), Section 28, Chapter IV of the Cochin University, of Science and Technology Act, 1986.

Resolved that the Vice-Chancellor be the Chairman of the Finance Committee and the Composition of the

Committee be the same as that of the present Statutory Finance Committee of the University.

(GA&LA)

The meeting came to a close at 1.30 p.m.

Administrative Building
Cochin University of Science &
Technology, Cochin-22
23.1.1987.

REGISTRAR

APPENDIX I TO ITEM NO. 223.13

Name of the applicant, Centre of Research Whether full-time/ part-time	Name of the Guide	Topic of Research	Title if selected
1. Laxmi Latha P. CMFRI, Cochin Full-time	Dr. A. Laxminarayana Scientist - S2 NPHL of CMFRI Cochin 682 505	Studies on the Haemolymph indicus H. Milne Edwards	same as the topic.
2. Saramma A. V. School of Marine Sciences Part-time	Dr. P. Lakshmanaper- umal samy Reader in Microbiology School of Marine Sciences	Marine Microbiology	Studies on anylolytic bacteria in Cochin Backwaters.

192

193

APPENDIX II TO ITEM NO. 223.61

GOVERNMENT OF KERALA

(Abstract)

EDUCATION - COLLEGIATE EDUCATION - EDUCATIONAL
CONCESSIONS TO THE BLIND STUDENTS IN ARTS,
SCIENCE AND TRAINING COLLEGES AND MUSIC
ACADEMIES/COLLEGES-PAYMENT OF MESS ALLOWANCE
AS ADHOC ADVANCE TO THE BLIND STUDENTS STAYING
IN UNIVERSITY HOSTELS - SANCTIONED - ORDERS
ISSUED.

HIGHER EDUCATION (C) DEPARTMENT

G.O. (Ms) No. 272/86/H. Edn. Dated, Trivandrum,
23rd Oct. '86

Read:-

1. G. O. (Rt) 597/66/RD dated 3.5.1968
2. G. O. (Rt) 278/74/DD dated 14.2.1974
3. G. O. (P) 19/78/H. Edn. dated 30.1.1978
4. G. O. (Rt) 1224/78/DD dated 21.6.1978
5. G. O. (P) 136/81/H. Edn. dated 10.8.1981
6. G. O. (P) 4/83/H. Edn. dated 5.1.1983
7. G. O. (Ms) 339/84/H. Edn. dated 26.12.1984
8. Letter No. Ad. D. II-3-388/80 dated 5.6.85 and
4.4.86 from the Registrar, University of Kerala

9. Letter No. Con.2/50562/85/L. Dis./Coll. Edn.
dated 23.7.85 and 27.12.85 from the Director
of Collegiate Education.

ORDER

In the letter read as 8th paper, the Registrar, University of Kerala, has stated that the dues towards boarding and lodging charges of the blind students residing in the University Hostel for women, Thycaud for the last two academic years have not been paid and it is very difficult to run the mess since dividing system is being followed. It is also stated that 50% of the annual grant of the boarding and lodging charges in the case of SC/OBC/ST students is paid at the beginning of each academic year as 'ad hoc advance' which will be adjusted before the end of the respective academic years. The Registrar, University of Kerala has requested to adopt the same procedure as followed by the Director of Scheduled Caste Development Department and Director of Scheduled Tribe Development Department in the case of blind students also.

Government have examined the matter in detail. Government consider that as in the case of Scheduled Caste/Scheduled Tribe Development Department it is necessary to follow similar procedure in the case of blind students admitted in University hostels also. Accordingly sanction is accorded to the Director of Collegiate Education for drawal of an amount of Rs. 400/- per inmate as advance towards boarding and lodging charges in the case of blind students admitted in University hostels, for being placed at the disposal of the principals of the Educational Institutions immediately on the reopening of the colleges. The above

amount will be adjusted before the end of the academic year.

By Order of the Governor,

M.S K. RAMASWAMI,
Commissioner and Secretary.

The Registrar, University of Cochin.

Forwarded/By Order
Sd/-
SECTION OFFICER

APPENDIX III TO ITEM No. 223.30

GOVERNMENT OF KERALA

(Abstract)

Kerala Government Servant Medical Attendance Rules 1960-
Condonation of delay in presenting medical reimbursement
claims - Delegation of powers to the Heads of Departments
and District Collectors - Liberalised - Orders issued.

HEALTH & FAMILY WELFARE (G) DEPARTMENT

G. O. (P) No. 164/86 H. & FWD Trivandrum, dtd. 14.8.86.

- Read:-
1. Notification No. 60584/G2/76/HD dated 21.5.1976
 2. From the Director of Public Instruction letter No. O & M (3) - 40275/85 dated 30.3.1985.
 3. From the Director of Health Services Letter No. M5-94649/85/DHS dtd. 1.10.1985.

ORDER

As per Note (2) under Rule 9 of the Kerala Government Servant Medical Attendance Rules, 1960, as amended in the notifications, read. Heads of Departments and District Collectors are empowered to condone delay upto three months in presenting medical reimbursement claims of Government Servants in cases where the delay is caused

by unavoidable circumstances. The Director of Public Instruction, has in his letter read reported that a large number of requests for condonation of delay for more than three months is received there and in order to enable a quick disposal of these cases he has suggested to raise the existing delegated limit of three months to six months.

2. The Director of Health Services in his letter read has recommended that there is no harm in raising the limit to condone delay in deserving cases upto six months.

3. Accordingly, Government are pleased to empower the Heads of Departments and District Collectors to condone delay in preferring medical reimbursement claims of government servants in deserving cases in which it has been caused by unavoidable circumstances, upto six months. For condoning delay in deserving cases beyond this period, however, Government in the Health and Family Welfare Department will have to be moved through the Administrative Department, which shall be allowed only on merits.

4. A formal amendment to the Kerala Government Servant Medical Attendance Rules, 1960 will be issued separately.

5. These orders issue with the concurrence of the Personnel and Administrative Reforms Department.

(By Order of Governor)

N. K. KRISHNANKUTTY MENON,
Deputy Secretary

To
The Registrar, Cochin University of Science and Technology, Cochin-22.

Forwarded/By Order
Sd/-
Section Officer

APPENDIX IV TO ITEM NO. 223.32

Sl. No.	Particulars of equipment	Qty.	Value in US \$
---------	--------------------------	------	----------------

I MONOCHROMETER

From M/s. Mepherston, 530 Main Street. Action USA.

1	Model 275.2 Meter Holographic grating Monochromator with 1200 G/mm grating	1	2,273.25
2	Model 789 A scan controller 5 2000 A/mn ext. input for the rate change, CMOS output for recorder synch	1	1,328.25
3	Continuously adjustable bilateral entrances / exist slit assembly 10-4000 um, two required with continuous fish-tail slit height occluders - 8mm.	2	1,365.00
4	Quartz Halogen Tungsten Filament Source. 20 watts/3100° K. with lamp and adjustable transformer requires condensing lens assembly.	1	514.00
5	Condensing lens assembly for 8105-02 76-0 Quartz optics. adapts source to monochromator optically and mechanically.	1	652.50

1	2	3	4
6	Detector Housing (Less PM tube contains a plug in octal socket and resistor chain for most nine-stage side window PM tubes requires 8266-1217-0 adapter	1	519.75
7	PM tube, R 372 185-750 mm	1	262.50
8	Model 762 Detector power supply 300-1400 V adjustable	1	1,113.00
9	Adapter for connecting detector housing to monochromator	1	99.75
10	300 G/MM Holographed Grating in holder (does not direct read use factor)	1	1,233.75
Total Ex works USA			\$ 9,391.75
Approx. Export packing Inland transportation, air freight and Insurance.			1,000.00
			<u>\$ 10,391.75</u>

(Rs. 1,37,171.1 approx.)

Sl. No.	Particulars of equipment	Qty.	Price
---------	--------------------------	------	-------

II OPTICAL FIBRES

from M/s. optromise Ltd., Milton Road, Cambridge. UK

1.	PC S 200	1.1	0.84 per meter
2.	50/125	2.2km	0.23 per meter
3.	4/125	2.2km	0.32 per meter

Connector

1.	F 706 050 000S MA/9mm 200 PCS connector	5 No.	10.84 per each
2.	OPT 20 206 IL 50/125 law loss, SMA/9mm connector	6 No.	28. 9.
3.	OPT 20 255 60 Ominoptic Demountable Esastemetric	4 No.	28.9

Potted Devices

1.	OPT 43352-4 Honeywell SE - 3352-004 in SMA/9mm receptacle	5 No.	49.15
----	---	-------	-------

HOR 4000 RO2 10 Mb/s Fibre Optic receiver SMA/9mm receptacle	5 No.	41.90	per each
---	-------	-------	----------

Optical Couplers

PC 3 and PC4 3 and 4 Port 50/125 Optical couplers	1 No.	287.50	..
---	-------	--------	----

Test equipment

OPT 60 312 41 Photometer	1.No.	172.50	..
-----------------------------	-------	--------	----

Single Mode Connector

252-SCSM SMA/9mm Single mode field install- able connector	2 No.	64.00	..
---	-------	-------	----

Total S. O. B.	£ 3520.45	..
----------------	-----------	----

(Insurance, Freight etc. (Rs. 66184-46 approx.)

APPENDIX V TO ITEM NO.223.34

LIST OF ITEMS TO BE BOUGHT FOR COURSE IN
MICROWAVE & RADAR ELECTRONICS FOR
M. TECH. SPECIALIZATION

Sl. No.	Item	Rate Rs.	No.	Amount
1.	VARIABLE ATTENUATOR,	'X' Band 2,110/- 'Ku' Band 1,490/-	2 1	4,220/- 1,490/-
2.	ISOLATOR —	'X' Band 2,975/-	1	2,975/-
3.	T- Circulator —	'X' Band 2,085/-	1	2,085/-
4.	FREQUENCY METER (Micrometer type)	'X' Band 1,350/-	1	1,350/-
5.	SLOTTED SECTIONS WITH PROBE CARRIAGE—	'X' Band 3,915/- 'Ku' Band 2,960/-	1 1	3,915/- 2,960/-
6.	PROBE WITH TUNER	'X' Band 1,190/- 'Ku' Band 1,490/-	2 1	2,380/- 1,490/-
7.	W. G. DETECTOR MOUNT	'X' Band 1,305/- 'Ku' Band 2,685/-	6 2	7,830/- 5,370/-
8.	SLIDE SCREW TUNER	'X' Band 1,415/-	1	1,415/-
9.	COUPLER 10 db	'X' Band 1,840/- 'Ku' Band 2,980/-	1 1	1,840/- 2,980/-
10.	E-PLANE TEE,	'X' Band 895/- 'Ku' Band 995/-	2 1	1,790/- 995/-

Sl. No.	Item	Rate Rs.	No.	Amount
11.	H-PLANE TEE	'X' Band 895/- 'Ku' Band 995/-	2 1	1,790/- 995/-
12.	E-PLANE BEND	'X' Band 710/- 'Ku' Band 915/-	2 1	1,420/- 915/-
13.	H-PLANE BEND	'X' Band 995/- 'Ku' Band 810/-	2 1	1,990/- 810/-
14.	MATCHED TERMINATION	'X' Band 790/- 'Ku' Band 895/-	2 1	1,580/- 895/-
15.	SLIDING TERMINATION	'X' Band 1,280/-	1	1,280/-
16.	MOVABLE SHORT	'X' Band 945/- 'Ku' Band 995/-	2 1	1,890/- 995/-
17.	WAVEGUIDE HORN	'X' Band 1235/-	2	2,470/-
18.	WAVEGUIDE TWIST	'X' Band 995/-	1	995/-
19.	COAXIAL TO WAVEGUIDE ADAPTOR	'X' Band 780/-	3	2,340/-
20.	UNIVERSAL WAVEGUIDE STAND	310/-	10	3,100/-
21.	GUNN OSCILLATOR	'X' Band 5,285/-	3	15,855/-
22.	GUNN POWER SUPPLY	'X' Band 4,465/-	3	13,395/-
23.	FLANGE COVER TYPE	'X' Band 50/-	6	300/-
24.	CHOKE FLANGE	120/-	2	240/-
Total amount				'X' Band 98,340/-

APPENDIX VI TO ITEM NO. 223.49

MINUTES OF THE MEETING HELD AT
COCHIN UNIVERSITY OF SCIENCE AND
TECHNOLOGY - 05 NOV 86 AT 0920 HRS

PRESENT

Vice-Chancellor — Dr. K. Gopalan

Reps of
Naval HQrs

Cmde MK Mukherjee, VSM, IN

Cdr V Mohindra

Reps of
Cochin UniversityShri. V. J. Pappoo,
RegistrarDr. K. G. Nair
Head of the Department
of ElectronicsShri. S. Paramanandhan
Head of the Department
of Ship Technology.

The letter received from the Director of Naval Architecture dated 27th October, 1986 was taken for discussion. The methodology of recruitment admission and training work covered during these discussions.

The University normally puts up an advertisement in all the leading national newspapers around end of March/early April for admission to the 9 Semester degree course in Naval Architecture. These sponsored candidates by the Navy may apply against this advertisement.

This is to follow an Entrance Examination conducted by Cochin University which will be held during the early June. For Naval Cadets this examination can be held at a venue recommended by the Navy. Based on the merit list of this Entrance Examination, the short listed candidates will appear for interview at Cochin University, where a Naval Architect from the Navy can be a member of Interview Board.

The Vice-Chancellor confirmed that the Cochin University can accept 6 to 8 such sponsored students. The DNA assured that Naval Cadets joining the University will form a part of the mainstream of undergraduate students and observe the normal University discipline both in hostel and in the faculties.

As regards the addition of tutorial efforts and expenses involved in training of such students, discussion took place about payment of Rs. 8,000/- per student per year by the Navy. The DNA indicated that payment per student per year may be difficult. However, it may be possible to provide:-

- (a) funds for one additional Professor in the faculty;
- (b) one Naval Officer from the Corps of Naval Constructors on deputation to the Faculty of Ship Technology of Cochin University whose pay and allowances will be borne by the Navy;
- (c) a recurring grant of approximately Rs.20,000/- per year towards special equipment, text books, stationery, consumables etc. for the use of the Naval Cadets.

Comde Mukherjee also requested the University authorities to hire an accommodation if they cannot spare one of the staff quarters for the Naval Officer to be deputed to the Faculty of Ship Technology. The expenses there of will also be borne by the Navy.

The Vice-Chancellor requested that the above proposals when concurred by the Navy/Government may be formalised through a specific letter. Thereafter, the Cochin University will arrange for admission of the students as above.

APPENDIX VII TO ITEM NO. 223.86

GOVERNMENT OF KERALA

(Abstract)

ALLOWANCE - DEARNESS ALLOWANCE - REVISION OF ORDERS ISSUED.

FINANCE (PRU) DEPARTMENT

G.O. (P) NO. 937/86/ Fin. Dated, Trivandrum
23rd Dec. 1986

- Read:-
1. G.O. (P) 515/85/Fin. dated 16.9.1985
 2. G.O. (P) 444/86/Fin. dated 24.6.1986

ORDER

Government are pleased to order that the Rates of Dearness Allowance sanctioned in the Government Order read as second paper above will be revised with effect from 1.4.1986 as shown in the Annexure to this order. The payment in respect of this instalment will be made in cash starting from the pay of January 1987 and the arrears for the period from 1.4.1986 to 31.12.1986 will be credited to the provident Fund Accounts of the employees in the manner indicated in para 6 below:

2. The existing rates of ad hoc Dearness Allowance will continue to be in force without any Change.

3. In the case of those who remain in the Pre-revision scales of pay, their pay for the purpose of calculating Dearness Allowance beyond 488 points in the cost of living index as per this order, will be the pay in the pre-revised scales plus Dearness Allowance and ad hoc Dearness Allowance at 488 points in the cost of living index - vide Appendix II of Annexure III to the Government Order read as first paper above.

4. These orders will apply to full-time State Government Employees, Staff of Aided Schools, Private Colleges and Polytechnics, full-time employees borne on the contingency and work-charged establishment and employees of local bodies, subject to the condition that the expenditure on this account in respect of local bodies will be met from the funds of the respective local bodies.

5. The arrears on account of Dearness Allowance now sanctioned from 1.4.1986 and accrued upto 31-12-1986 shall be dealt with as follows:-

The amount will be paid into the Provident Fund Account of the employees. Where the employee concerned is not eligible to subscribe to any Provident Fund before 31.12.1986, the drawal of Dearness Allowance arrears shall be deferred till the employee becomes eligible to subscribe to Provident Fund and a Provident Fund Account is opened for him; but as and when the Provident Fund account is opened interest will accrue from the month of deposit in the Provident Fund, of the amounts accrued upto 31.12.1986.

6. Dearness Allowance at the revised rates from January 1987 onwards will be paid in cash.

7. The accounting and drawal of arrears of Dearness Allowance referred to in para 5 above, calculation of interest thereon and withdrawal therefrom will be regulated as follows:-

i) MODE OF ACCOUNTING

The arrears of Dearness Allowance accrued upto 31.12.1986 shall be credited in the Provident Fund Account of the employees.

ii) MODE OF DRAWAL

Arrear bills for the gross amount of the arrears of Dearness Allowance upto 31.12.1986, may be prepared and presented to the concerned treasuries as part of the salary bills for January, February, March or April 1987 to be encashed in February, March, April or May 1987 in relaxation of Article 176, Volume I, Kerala Treasury Code. The amount being paid into the Provident Fund Account of the employees concerned. Bills will be supported by General Provident Fund Schedules according to normal requirements. The amount to be deposited will be shown in whole rupee applying the principle of rounding i. e. fifty paise and above will be rounded off to the next higher rupee, and less than fifty paise will be ignored.

In the case of those Government servants who are not having any General Provident Fund Account, the arrears may be drawn only after they have become eligible to subscribe to General Provident Fund and account numbers allotted.

III) PREPARATION OF PROVIDENT FUND SCHEDULES

The Provident Fund Schedules attached to the bills may be clearly indicate details of name, designation and Provident Fund Account numbers. In the bills as well as in the schedules, the arrears of Dearness Allowance upto 31.12.1986, should be clearly indicated. The amount of arrears of Dearness Allowance to be credited to Provident Fund Account should be shown as separate entry in the regular Provident Fund Schedules as shown below:-

Subscription proper

Refund of advance

Amount	Month	No.	Amo-	Month	Arrears	Total
	of	of	unt	to	of D. A.	Amo-
	which it	instal-		which	amo-	unt
	relates	ments		it rela-	unt	
				tes		
Rs.			Rs.		Rs.	Rs
6	7	8	9	10	11	12
					(6+9+11)	

No separate Provident Fund Schedule need be attached for this purpose.

IV) CALCULATION OF INTEREST

Interest on the Dearness Allowance credited to the Provident Fund Accounts in accordance with the provisions

of paragraph 5 will accrue from the 1st of the month in which the bills are presented at the treasuries.

V) WITHDRAWALS OR ADVANCES

No withdrawal or advance shall be made from the arrears of Dearness Allowance credited in the Provident Fund Account in accordance with the Provisions of para 5 till 31.3.1988. The loan sanctioning authorities will ensure that while computing the balance at credit in the General Provident Fund Account of the employees, for purpose of granting advances, no portion of the arrears of Dearness Allowance as above, is included.

8. The above procedure will be applicable MUTATIS MUTANDIS to Provident Funds, other than General Provident Fund also. In regard to Contributory Provident Fund, however, there will be no matching contribution from the Government in respect of the arrears of Dearness Allowance.

9. The following categories of employees will be exempted from crediting the arrears of Dearness Allowance upto 31.12.1986 in the Provident Fund Account and they will be allowed payment of arrears in cash:-

- i) Employees retired during the period from 1.4.86 to 31.12.1986;
- ii) Employees who are due to retire from service during the period till 31.3.1987;
- iii) All categories of employees including re-employed pensioners in whose case it is not obligatory to maintain Provident Fund Accounts.

10. Employees who have completed one year of service as on 1.4.1986 but have not been admitted to

Provident Funds, should be got admitted to the provident Fund immediately and the Dearness Allowance arrears in their case should be credited in the manner prescribed in para 5 above.

11. The rates of Dearness Allowance of part-time teachers and part-time contingent employees mentioned in the Government Order read as second paper above will also be revised as follows:-

Categories	Existing rate per mensem	Revised rate per mensem with effect from 1.4.1986
Part-time teachers	90.00	96.00
Part-time contingent employees whose basic pay is Rs. 225 p. m.	64.00	69.00
Part-time contingent employees whose basic pay is Rs. 283 p. m.	70.00	76.00

The above categories will also be allowed the entire amount due from 1.4.1986, in cash and the orders contained in para 5 above i.e., regarding crediting the arrears upto 31.12.1986 will not apply in their case.

By Order of the Governor,
R. NARAYANAN
Finance Secretary

The Registrar, University of Cochin

ANNEXURE

(Sl)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
580	145	576	152	602	159	628	167	654	173
581	146	577	153	603	159	629	167	655	173
582	146	578	153	604	160	630	167	656	173
583	146	579	154	605	150	631	167	657	174
584	146	580	154	606	160	632	168	658	174
585	146	581	154	607	160	633	168	659	175
586	147	582	155	608	160	634	168	660	175
587	147	583	155	609	161	635	168	661	175
588	148	584	155	610	161	636	168	662	175
589	148	585	155	611	162	637	168	663	175
590	148	586	156	612	162	638	169	664	176
591	148	587	156	613	163	639	169	665	176
592	148	588	156	614	163	640	169	666	177

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
563	149	589	157	615	163	641	169	667	177
564	149	590	157	616	163	642	169	668	177
565	150	591	157	617	163	643	170	669	178
566	150	592	157	618	164	644	170	670	178
567	150	593	157	619	164	645	171	671	178
568	150	594	157	620	164	646	171	672	178
569	150	595	157	621	165	647	171	673	179
570	151	596	157	622	165	648	171	674	179
571	151	597	158	623	165	649	171	675	179
572	152	598	158	624	165	650	172	676	180
573	152	599	158	625	166	651	172	677	180
574	152	600	158	626	166	652	173	678	180
575	152	601	158	627	166	653	173	679	180
680	180	724	193	768	208	812	224	856	239
681	180	725	193	769	208	813	224	857	239
682	180	726	193	770	209	814	224	858	240
683	180	727	193	771	209	815	224	859	240
684	181	728	193	772	209	816	225	860	240
685	181	729	195	773	209	817	225	861	240
686	181	730	195	774	209	818	225	862	241
687	181	731	195	775	211	819	225	863	241
688	181	732	195	776	211	820	225	864	241
689	182	733	196	777	211	821	227	865	241
690	182	734	196	778	211	822	227	866	241
691	183	735	196	779	212	823	227	867	243
692	183	736	196	780	212	824	227	868	243
693	184	737	197	781	212	825	228	869	243
694	184	738	197	782	212	826	228	870	243
695	184	739	197	783	213	827	228	871	244
696	184	740	199	784	213	828	228	872	244
697	184	741	199	785	213	829	229	873	244
698	185	742	199	786	215	830	229	874	244
699	185	743	199	787	215	831	229	875	245
700	186	744	200	788	215	832	231	876	245

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
701	186	745	200	789	215	833	231	877	245
702	186	746	200	790	216	834	231	878	247
703	186	747	200	791	216	835	231	879	247
704	186	748	201	792	216	836	232	880	247
705	187	749	201	793	216	837	232	881	247
706	187	750	201	794	217	838	232	882	248
707	188	751	203	795	217	839	232	883	248
708	188	752	203	796	217	840	233	884	248
709	188	753	203	797	219	841	233	885	248
710	188	754	203	798	219	842	233	886	249
711	188	755	204	799	219	843	235	887	249
712	189	756	204	800	219	844	235	888	249
713	189	757	204	801	220	845	235	889	251
714	189	758	204	802	220	846	235	890	251
715	190	759	205	803	220	847	236	891	251
716	190	760	205	804	220	848	236	892	251
717	190	761	205	805	221	849	236	893	252
718	190	762	205	806	221	850	236	894	252
719	191	763	206	807	221	851	237	895	252
720	191	764	207	808	221	852	237	896	252
721	192	765	207	809	222	853	237	897	253
722	192	766	208	810	223	854	237	898	253
723	192	767	208	811	223	855	238	899	253
800	253	1135	265	1179	275	1223	286	1267	295
901	254	1136	266	1180	275	1224	286	1268	297
902	255	1137	266	1181	276	1225	286	1269	297
903	255	1138	266	1182	276	1226	286	1270	297
904	255	1139	266	1183	276	1227	286	1271	297

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1096	256	1140	266	1184	277	1228	228	1272	297
1097	257	1141	266	1185	277	1229	288	1273	297
1098	257	1142	266	1186	277	1230	288	1274	297
1099	257	1143	266	1187	277	1231	288	1275	297
1100	257	1144	268	1188	277	1232	288	1276	297
1101	257	1145	268	1189	277	1233	288	1277	298
1102	257	1146	268	1190	277	1234	288	1278	299
1103	257	1147	268	1191	277	1235	288	1279	299
1104	257	1148	268	1192	279	1236	288	1280	299
1105	259	1149	268	1193	279	1237	288	1281	299
1106	259	1150	268	1194	279	1238	289	1282	299
1107	259	1151	268	1195	279	1239	290	1283	299
1108	259	1152	270	1196	279	1240	290	1284	300
1109	259	1153	270	1197	279	1241	290	1285	300
1110	259	1154	270	1198	280	1242	290	1286	301
1111	259	1155	270	1199	280	1243	290	1287	301
1112	259	1156	270	1200	281	1244	290	1288	301
1113	259	1157	270	1201	281	1245	290	1289	301
1114	260	1158	270	1202	281	1246	291	1290	301
1115	260	1159	271	1203	281	1247	291	1291	301
1116	261	1160	271	1204	281	1248	291	1292	302
1117	261	1161	271	1205	281	1249	292	1293	302
1118	261	1162	271	1206	282	1250	292	1294	302
1119	261	1163	272	1207	282	1251	292	1295	302
1120	261	1164	272	1208	282	1252	292	1296	303
1121	261	1165	272	1209	282	1253	292	1297	303
1122	262	1166	272	1210	283	1254	293	1298	303

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1123	262	1167	273	1211	283	1255	293	1299	304
1124	263	1168	273	1212	283	1256	293	1300	304
1125	263	1169	273	1213	283	1257	294	1301	304
1126	263	1170	273	1214	283	1258	294	1302	304
1127	263	1171	273	1215	284	1259	294	1303	304
1128	264	1172	273	1216	284	1260	294	1304	304
1129	264	1173	274	1217	284	1261	294	1305	304
1130	264	1174	274	1218	284	1262	295	1306	304
1131	264	1175	275	1219	284	1263	295	1307	306
1132	264	1176	275	1220	285	1264	295	1308	306
1133	264	1177	275	1221	285	1265	295	1309	306
1134	265	1178	275	1222	285	1266	295	1310	306
1311	306	1355	317	1399	326	1443	337	1488	348
1312	306	1356	317	1400	327	1444	337	1489	348
1313	306	1357	317	1401	328	1445	337	1490	348
1314	306	1358	317	1402	328	1446	337	1491	348
1315	308	1359	317	1403	328	1447	338	1492	348
1316	308	1360	317	1404	328	1448	339	1493	348
1317	308	1361	317	1405	328	1449	339	1494	349
1318	308	1362	317	1406	328	1450	339	1495	349
1319	308	1363	318	1407	328	1451	339	1496	349
1320	308	1364	319	1408	329	1452	339	1497	349
1321	308	1365	319	1409	329	1453	339	1498	350
1322	308	1366	310	1410	329	1454	339	1499	350
1323	308	1367	319	1411	330	1455	340	1500	351
1324	309	1368	319	1412	330	1456	340	1501	351

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1325	310	1369	320	1413	330	1457	340	1502	351
1326	310	1370	320	1414	330	1458	340	1503	351
1327	310	1371	320	1415	330	1459	341	1504	351
1328	310	1372	321	1416	331	1460	341	1505	351
1329	310	1373	321	1417	331	1461	341	1506	352
1330	311	1374	321	1418	331	1462	341	1507	352
1331	311	1375	321	1419	331	1463	342	1508	353
1332	311	1376	321	1420	332	1464	342	1509	353
1333	311	1377	322	1421	332	1465	342	1510	353
1334	311	1378	322	1422	332	1466	342	1511	353
1335	311	1379	322	1423	332	1467	342	1512	353
1336	312	1380	322	1424	333	1468	342	1513	353
1337	312	1381	322	1425	333	1469	344	1514	353
1338	313	1382	322	1426	333	1470	344	1515	353
1339	313	1383	323	1427	333	1471	344	1516	355
1340	313	1384	323	1428	333	1472	344	1517	355
1341	313	1385	324	1429	333	1473	344	1518	355
1342	313	1386	324	1430	333	1474	344	1519	355
1343	313	1387	324	1431	334	1475	344	1520	355
1444	314	1388	324	1432	335	1476	344	1521	355
1345	314	1389	324	1433	335	1477	346	1522	355
1346	315	1390	324	1434	335	1478	346	1523	355
1347	315	1391	325	1435	335	1479	346	1524	355

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1348	315	1392	325	1436	335	1480	346	1525	358
1349	315	1393	326	1437	335	1481	346	1526	358
1350	315	1394	326	1438	335	1482	346	1527	357
1351	315	1395	326	1439	336	1483	346	1528	357
1352	315	1396	326	1440	337	1484	346	1529	357
1353	315	1397	326	1441	337	1485	346	1530	357
1354	317	1398	326	1442	337	1486	347		
						1487	348		
1531	357	1575	368	1619	378	1663	388	1707	400
1532	357	1576	368	1620	378	1664	388	1708	400
1533	358	1577	368	1621	379	1665	390	1709	401
1534	358	1578	369	1622	379	1666	390	1710	401
1535	359	1579	369	1623	379	1667	390	1711	401
1536	359	1580	369	1624	379	1668	390	1712	401
1537	359	1581	369	1625	379	1669	390	1713	401
1538	359	1582	369	1626	380	1670	391	1714	401
1539	360	1583	369	1627	380	1671	391	1715	402
1540	360	1584	370	1628	380	1672	391	1716	402
1541	360	1585	370	1629	380	1673	391	1717	402
1542	360	1586	371	1630	380	1674	391	1718	402
1543	360	1587	371	1631	381	1675	391	1719	402
1544	360	1588	371	1632	381	1676	391	1720	403
1545	361	1589	371	1633	381	1677	392	1721	404
1546	361	1590	371	1634	382	1678	392	1722	404
1547	362	1591	371	1635	382	1679	393	1723	404
1548	362	1592	372	1636	382	1680	393	1724	404

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1549	362	1593	372	1637	382	1681	393	1725	404
1550	362	1594	372	1638	382	1682	394	1726	404
1551	362	1595	373	1639	384	1683	394	1727	405
1552	362	1596	373	1640	384	1684	394	1728	405
1553	362	1597	373	1641	384	1685	394	1729	405
1554	362	1598	373	1642	384	1686	394	1730	405
1555	364	1599	373	1643	384	1687	394	1731	405
1556	364	1600	373	1644	384	1688	395	1732	406
1557	364	1601	373	1645	384	1689	395	1733	406
1558	364	1602	373	1646	384	1690	395	1734	406
1559	364	1603	375	1647	384	1691	395	1735	407
1560	364	1604	375	1648	385	1692	395	1736	407
1561	364	1605	375	1649	385	1693	396	1737	407
1562	364	1606	375	1650	385	1694	397	1738	408
1563	366	1607	375	1651	385	1695	397	1739	408
1564	366	1608	375	1652	386	1696	397	1740	408
1565	366	1609	376	1653	387	1697	397	1741	408
1566	366	1610	376	1654	387	1698	397	1742	408
1567	366	1611	377	1655	387	1699	397	1743	408
1568	366	1612	377	1656	387	1700	398	1744	409
1569	366	1613	377	1657	387	1701	398	1745	409
1570	367	1614	377	1658	387	1702	398	1746	409
1571	367	1615	377	1659	388	1703	398	1747	409
1572	367	1616	377	1660	388	1704	398	1748	409
1573	367	1617	378	1661	388	1705	398	1749	410
1574	368	1618	378	1662	388	1706	400	1750	411

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1751	411	1795	421	1839	432	1883	445	1927	458
1752	411	1796	422	1840	433	1884	446	1928	459
1753	411	1797	422	1841	433	1885	446	1929	459
1754	411	1798	422	1842	433	1886	446	1930	459
1755	411	1799	422	1843	433	1887	446	1931	459
1756	412	1800	422	1844	433	1888	446	1932	459
1757	412	1801	422	1845	435	1889	448	1933	461
1758	412	1802	424	1846	435	1890	448	1934	461
1759	412	1803	424	1847	435	1891	448	1935	461
1760	412	1804	424	1848	436	1892	449	1936	462
1761	414	1805	424	1849	436	1893	449	1937	462
1762	414	1806	425	1850	436	1894	449	1938	462
1763	414	1807	425	1851	436	1895	449	1939	462
1764	414	1808	425	1852	436	1896	449	1940	462
1765	414	1809	425	1853	437	1897	450	1941	463
1766	414	1810	425	1854	437	1898	450	1942	463
1767	415	1811	426	1855	437	1899	450	1943	463
1768	415	1812	426	1856	437	1900	450	1944	463
1769	415	1813	426	1857	437	1901	450	1945	463
1770	415	1814	426	1858	438	1902	451	1946	464
1771	415	1815	426	1859	438	1903	451	1947	464
1772	415	1816	427	1860	439	1904	452	1948	465
1773	416	1817	428	1861	439	1905	452	1949	465
1774	416	1818	428	1862	439	1906	452	1950	465
1775	417	1819	428	1863	440	1907	453	1951	466
1776	417	1820	428	1864	440	1908	453	1952	466

(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1777	417	1821	428	1865	440	1909	453	1953	466
1778	417	1822	428	1866	441	1910	454	1954	467
1779	418	1823	429	1867	441	1911	454	1955	467
1780	418	1824	429	1868	441	1912	454	1956	467
1781	418	1825	429	1869	441	1913	454	1957	467
1782	418	1826	429	1870	441	1914	454	1958	467
1783	418	1827	429	1871	442	1915	455	1959	468
1784	418	1828	429	1872	442	1916	455	1960	468
1785	419	1829	430	1873	442	1917	455	1961	468
1786	419	1830	430	1874	442	1918	455	1962	468
1787	419	1831	431	1875	443	1919	456	1963	469
1788	419	1832	431	1876	444	1920	457	1964	470
1789	420	1833	431	1877	444	1921	457	1965	470
1790	420	1834	431	1878	444	1922	457	1966	470
1791	421	1835	432	1879	445	1923	458	1967	471
1792	421	1836	432	1880	445	1924	458	1968	471
1793	421	1837	432	1881	445	1925	458	1969	471
1794	421	1838	432	1882	445	1926	458	1970	461
1971	471	1983	475	1995	479	2007	473	2019	460
1972	472	1984	475	1996	479	2008	472	2020	459
1973	472	1985	476	1997	479	2009	471	2021	458
1974	472	1986	476	1998	480	2010	470	2022	457
1975	472	1987	476	1999	480	2011	469	2023	456
1976	472	1988	476	2000	480	2012	468	2024	455
1977	474	1989	476	2001	479	2013	467	2025	454
1978	474	1990	477	2002	478	2014	466	2026	453
1979	474	1991	477	2003	477	2015	465	2027	452
1980	475	1992	477	2004	476	2016	464	2028	451
1981	475	1993	478	2005	475	2017	463	2029	450
1982	475	1994	478	2006	474	2018	462	2030	450

Appendix VIII to Item No. 223.90

APPENDIX

RATES OF REMUNERATION FOR CONDUCT OF UNIVERSITY EXAMINATIONS

Particulars	Proposed Rates		
	1	2	3
A. Additional Chief Superintendent		Rs.- 20/ full day	Rs. 25/- full day
Senior Assistant Superintendent		Rs. 12½ half day Rs. 20/- full day	Rs. 15/- half day Rs. 25/- full day
B. D. A. & Allowance			
External Examiners from outside the State D. A. per day		Rs. 35/-	Rs. 40/-

1

2

3

B. Tech- Practicals (Equal to B.Sc. Engineering)

- a) Prescribing the work for each examinations, separately arranged irrespective of the total number of examiners engaged.

- (i) if the examination is conducted in a single batch

Rs 60/- for main subject and
Rs. 40/-for subsidiary

Rs. 70/- for main subjects and
Rs 50/- for subsidiary

224

1

2

3

- (ii) if the examination is conducted in more than one batch

Rs. 35/- per batch for main subject and Rs-25/ per batch for subsidiary subjects

Rs. 40/- per batch for main subject and
Rs. 30/- per batch for subsidiary subjects

Note: For this purpose the same examinations which are conducted in different centres simultaneously either in the forenoon or in the afternoon will be considered as one batch for the forenoon and as another batch for the afternoon.

225

1	2	3
b) Preparing for the examination	50 ps. per candidate registered for each of two examiners	60 ps. per candidate registered for each of two examiners.
c) Conducting, superintending and judging the merits of the candidates	Rs. 150 per candidate actually present, for each of two examiners for examinations of 3 hours duration. Rs. 2/- per candidate actually present for each of two examiners for examinations of 6 hours duration.	Rs. 1.80 per candidate actually present, for each of two examiners, for examinations of 3 hours duration. Rs. 2.50 per candidate actually present for each of two examiners for examinations of 6 hours duration

1	2	3
d) Valuing Laboratory Records	65 ps. per candidate for each of two examiners for main subject and 50 ps. per candidate for each of two examiners for subsidiary subjects	80 ps. per candidate for each of two examiners for main subject and 60 ps. per candidate for each of two examiners for subsidiary subjects.
e) Skilled Assistant	Rs. 1/- per candidate for Skilled Assistant per examinations of 3 hours duration, minimum Rs. 10/- per examination.	Rs. 1.25 per candidate per Skilled Assistant per examination of 3 hours duration subject to a minimum of Rs. 12/- per examination.

1

2

3

f) Laboratory Staff

85 ps. per candidate for examinations of 3 hours duration. Minimum Rs. 8/- per examination.

100 ps. per candidate for examinations of 3 hours duration. Prorata increase will be allowed to longer duration. Minimum Rs. 10/- per examination.

228

g) Store Keeper

Rs. 6/- per day

Rs. 8/- per day for all subjects except Chemistry for which Rs. 10/- per day will be allowed.

1

2

3

h) Mechanic

Rs. 6/- per day

Rs. 8/- per day irrespective of number of candidates or duration of examinations.

229

M. So., M. Tech. - Praoticals

a Prescribing the work for each examination, separately arranged,

(i) If the examination is conducted in a single batch.

Rs. 50/- per batch

Rs. 60/- per batch

1	2	3
(ii) if the examination is conducted in more than one batch	Rs. 35/- per batch	Rs. 40/- per batch
b) Preparing for the examination	60 Ps. per candidate registered for each of two examiners.	70 Ps. per candidate registered for each of two examiners.
c) Conducting, Superintending and judging the merit of the candidates.	Rs. 1.80 per candidate actually present for each of two examiners.	Rs. 2.20 per candidate actually present for each of two examiners.
d) Valuing laboratory records	Rs. 1/- per candidate for each of two examiners.	Rs. 1.25 per candidate for each of two examiners.

1	2	3
e) Viva-voce	Rs. 3/- per candidate to be divided equally among the members conducting the examination.	Rs. 3.50 per candidate to be divided equally among the members conducting the examination. Subject to a minimum of Rs. 60/- per examiner for all centres together.
f) Valuing Thesis/ Project Report/Dissertation	Rs. 15/- per Thesis/ Project Report/ Dissertation for each of two examiners.	Rs. 18/- Thesis /Project Report/Dissertation for each of two examiners.

1

2

3

g) Skilled Assistant

Rs. 17/-per day. If there are two batches of 3 hours duration or more and attended to by the same person, Rs. 25/-per day will be allowed. If different sets of skilled assistants attended to work in different batches, the rate of remuneration per skilled assistant will be Rs. 97/-and not Rs. 25/-

Rs. 20/-per day. If there are two batches of 3 hours duration or more and attended to by the same person, Rs. 30/-per day will be allowed, if different sets of skilled assistants attended to work in different batches the rate of remuneration per skilled assistant will be Rs. 20/- and not Rs. 30/-

232

h) Laboratory Staff

Rs. 1.50 per candidate per examination of 3 hours duration with pro-rata increase for longer duration. Minimum Rs. 6/- for a session.

Rs. 1.75 per candidate per examination of 3 hours duration with pro-rata increase for longer duration. Minimum Rs. 8/- for a session.

1

2

4

i) Mechanic

Rs. 1.20 per candidate.
Minimum Rs. 10/- for the entire examination

.....

j) Store Keeper

Rs. 6/- per day of practical examination for all subjects except for Chemistry for which Rs. 8/-will be paid.

Rs. 8/- per day for all subjects except Chemistry for which Rs.10/- will be paid.

233

APPENDIX IX TO ITEM No. 223. 91

Sl. No. Size of Cable Rate per Metro Quantity required in Metros for the electrification work of :

			Electro- nics Building	Com- puter Sci- ence Block	Exten- sion to Physi- cal Sci- ence Block	Vis- iting Fa- culty Com- plex	Phy- sical Sci- ence Block (rewir- ing)	Total
1.	2 core 4mm ²	14/30	510	730	240	520	...	2000
2.	3 core 4mm ²	15/86	...	...	...	...	...	100
3.	4 core 4mm ²	18/18	...	...	115	...	85	200
4.	4 core 10mm ²	24/.	55	...	220	...	...	275
5.	4 core 16mm ²	36/31	85	45	...	...	...	150
6.	4 core 35mm ²	47/46	38	45	190	92	60	425
7.	4 core 225mm ²	76/49	5	...	10	45	200	260
8.	4 core 225mm ²	190/-	40	...	40	...	...	80