

B.Sc. PHYSICS

Eligibility for Admission to B.Sc.

1. Higher Secondary School Examination (Plus 2 or XII Std.) conducted by the Govt. of Tamil Nadu with Science as one of the subjects.
2. Two year Foundation Course Examination conducted by Madurai Kamaraj University and Annamalai University with eligibility to join the degree courses.
3. Pre/University Examination of Madurai Kamaraj University or an Examination equivalent thereto conducted by any other statutory recognized University / Board.
4. Intermediate Examination of any recognized University in India or of the common wealth.
5. The IAF Educational Test for promotion to the Rank of Corporal conducted by the Directorate of Education, Air Head Quarters, New Delhi.
6. The Higher Secondary Certificate Examinations conducted by any of the State Statutory Boards of Higher Education in India provided the holder is declared eligible to join the Degree Course in the University concerned and provided the holder also satisfies the age rule.
7. Indian School Certificate Examination conducted by the Council for the Indian School Certificate Examination, New Delhi. A pass in one or more sittings, (i.e., in compartment) provided the candidates has been declared to have qualified with a minimum of FIVE subjects of which English should be one and satisfies the age rule prescribed by the University.
8. The 12 year School Diploma of High School / Graduation conducted by the Kodaikanal School, Kodaikanal.
9. A pass in the followed examinations conducted by the State Board of Technical Education and Training of Govt. of Tamil Nadu, Chennai.
 - a) The two year Diploma Course in Commercial Practice or Diploma in Modern Office Practice.
 - b) Pre-Technical Examination.
 - c) I and II year Sandwich Diploma Examination in Mechanical Engineering.
 - d) Three – year Diploma (after X Std.) – Civil, Mechanical, Electrical, Electronics, Textile, Fisheries, Commerce, Architecture, Assistantship, Catering Technology etc.

Note:

- A candidate who has obtained 'CONDITIONAL PASS' in the Pre-Technical Examination is NOT eligible.
 - A candidate who has passed the First Year Examination of the 3 year Diploma Courses (i.e., D.C.E. etc.,) prior to 1963 is NOT eligible.
10. a) National Defense Academy / b) Indian Military Academy : A pass at the Academic examination at the end of the first two years of training.
 11. Those who have completed the Seven-year course of study conducted at the following Seminaries:

1. Sacred Heart Seminary, Poonamallee.
 - a) St. Peter's Pontifical Seminary, Bangalore
 - b) St. Antony's Frairy, Bangalore
 - c) St. Paul's Seminary, Tiruchirapalli.
 - d) Pontifical Athenaeum, Poona.

Note: Candidates should enclose the original certificates for admission.

Applicants already pursuing a degree course in this University / Distance Education or, elsewhere are **NOT** eligible for admission to any other degree course in the Directorate of Distance Education, except for Certificate / Diploma Courses.

Course Duration:

3 Years – (Non-Semester System)

COURSE : B.Sc. Physics			
MEDIUM : English			
COURSE CODE : 5024			
Year	S.NO	PAPER NAME	EXAMINATION CODE
I	1	Part 1(Tamil) - இக்காலக் கவிதையும் சிறுகதையும்	LTAM01
	2	Part 1(Tamil) - பக்தி இலக்கியமும் நாடகமும்	LTAM02
	3	Part 2 (English) – Prose, Grammar and Composition	LENG01
	4	Part 2 (English) - Poetry and Drama – I	LENG02
	5	Mechanics and Properties of Matter	UPHY01
	6	Heat, Thermo- dynamics & statistical mechanics	UPHY02
	7	Electricity and Electromagnetism	UPHY03
	8	Practical - I	UPHYL1
	9	Ancillary I: Mathematics – I & Mathematics – II	UPHYA1
II	1	Part 1(Tamil) - காப்பிய இலக்கியமும் புதினமும்	LTAM03

	2	Part 1(Tamil) - பண்டைய இலக்கியமும் உரைநடையும்	LTAM04
	3	Part 2 (English) – Prose & Composition	LENG03
	4	Part 2 (English) – Poetry and Drama – II	LENG04
	5	Optics and Spectroscopy	UPHY04
	6	Atomic and Nuclear Physics	UPHY05
	7	Practical – II	UPHYL2
	8	Ancillary II : Mathematics – III & Mathematics – IV	UPHYA2
	9	Ancillary III : Electronics-I	UPHYA3
	10	Ancillary III : Electronics Practical - I (Analog Electronics)	UPHAL1
	11	Part IV – General Knowledge	UKGL01
III	1	Classical and quantum mechanics	UPHY06
	2	Programming in C and C++	UPHY07
	3	Analog and Digital Electronics	UPHY08
	4	Materials and Nano Science	UPHY09
	5	Practical- III(Analog electronics)	UPHYL3
	6	Practical –IV (Digital Electronics)	UPHYL4
	7	Ancillary IV: Electronics-II	UPHYA4
	8	Ancillary IV : Electronics Practical II (Digital Electronics)	UPHAL2
	9	Part V – Environmental Studies	UENS01

Part I : Common for all B.A & B.Sc. Courses (Except for B.Com., B.B.A., B.C.A., B.Sc. Hotel Management)

Part I Languages other than Tamil

1. Students may choose any one of the following languages in lieu of Tamil (Part-I)

Arabic	Assamese	Bengali	French	Hindi	Kannada
Malayalam	Mizo	Sanskrit	Telugu	Urdu	

2. The Directorate will not send any study material relating to these languages. Arrangements should be made by the students themselves to study as per the syllabus prescribed by the University. The syllabus copy for the above language papers (Part-I) will be sent to the students along with other study materials on full payment of Course Fee.

Subject Code for (Languages other than Tamil)

Part I- Language	I Year	Sub Code	II Year	Sub Code
Arabic	Paper I	LARA01	Paper III	LARA03
	Paper II	LARA02	Paper IV	LARA04
Assamee	Paper I	LASS01	Paper III	LASS03
	Paper II	LASS02	Paper IV	LASS04
Bengali	Paper I	LBEN01	Paper III	LBEN03
	Paper II	LBEN02	Paper IV	LBEN04
French	Paper I	LFRE01	Paper III	LFRE03
	Paper II	LFRE02	Paper IV	LFRE04
Hindi	Paper I	LHIN01	Paper III	LHIN03

Part IV – General Knowledge [UGKL01]

This is a compulsory paper common for all U.G. Courses. Students have to write Examination on this paper at the end of the Second Year

Part V – Environmental Studies [UENS01]

This is a compulsory paper common for all U.G. Courses. Students have to write Examination on this paper at the end of the Third Year.

Scheme of Examination for all B.A. & B.Sc. Degree Courses

Duration: 3 Hrs. Maximum: - 100 Marks Passing Min.: - 35 Marks