



V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Re-accredited with 'A' Grade (3rd Cycle) by NAAC

VIRUDHUNAGAR - 626 001

A00938428

BACHELOR OF SCIENCE - PHYSICS CONSOLIDATED MARKS AND GRADES

(OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM)



NAME OF THE CANDIDATE BALABOONIKA.B	D.O.B 16-06-2003	REGISTER NO. 202016103	EXAM. M & YR APR 2023	DATE OF PUBLICATION 22 MAY 2023
MEDIUM OF INSTRUCTION : ENGLISH				

S E M	P A R T	COURSE CODE	COURSE TITLE	C R E D I T	MAXIMUM			MARKS SECURED			G.P	G R A D E	R E S U L T	M & YR OF PASSING
					INT	EXT	TOT	INT	EXT	TOT				
1	I	20UTAG11	Paper I-General Tamil	3	25	75	100	21	59	80	8.0	D+	P	NOV 2020
2	I	20UTAG21	Paper II-General Tamil	3	25	75	100	17	36	53	5.3	B	P	APR 2021
3	I	20UTAG31	Paper III-General Tamil	3	25	75	100	21	58	79	7.9	D	P	NOV 2021
4	I	20UTAG41	Paper IV-General Tamil	3	25	75	100	17	59	76	7.6	D	P	APR 2022
1	II	20UENG11	English Paper-I	3	25	75	100	16	53	69	6.9	A+	P	NOV 2020
2	II	20UENG21	English Paper-II	3	25	75	100	17	54	71	7.1	A++	P	APR 2021
3	II	20UENG31	English Paper-III	3	25	75	100	21	53	74	7.4	A++	P	NOV 2021
4	II	20UENG41	English Paper-IV	3	25	75	100	19	50	69	6.9	A+	P	APR 2022
1	III	20UPHC11	Mechanics and Properties of Matter	4	25	75	100	17	57	74	7.4	A++	P	NOV 2020
1	III	20UPHC12	Electricity	4	25	75	100	20	65	85	8.5	D++	P	NOV 2020
1	III	20UMTA11	Allied Mathematics-I	4	25	75	100	21	60	81	8.1	D+	P	NOV 2020
2	III	20UPHC21	Electromagnetism	4	25	75	100	11	60	71	7.1	A++	P	APR 2021
2	III	20UPHC21P	General Physics Practical-I	2	40	60	100	34	51	85	8.5	D++	P	APR 2021
2	III	20UPHC22	Heat and Thermodynamics	4	25	75	100	10	58	68	6.8	A+	P	APR 2021
2	III	20UMTA21	Allied Mathematics-II	3	25	75	100	13	53	66	6.6	A+	P	APR 2021
2	III	20UMTA22	Allied Mathematics-III	3	25	75	100	17	56	73	7.3	A++	P	APR 2021
3	III	20UPHC31	Optics	5	25	75	100	14	60	74	7.4	A++	P	NOV 2021
3	III	20UCHA31	General Chemistry-I	4	25	75	100	18	60	78	7.8	D	P	NOV 2021
4	III	20UPHC41	Mathematical Physics	5	25	75	100	21	43	64	6.4	A	P	APR 2022
4	III	20UPHC41P	General Physics Practical-II	2	40	60	100	28	38	66	6.6	A+	P	APR 2022
4	III	20UCHA41	General Chemistry-II	4	25	75	100	18	59	77	7.7	D	P	APR 2022
4	III	20UCHA41P	Volumetric Analysis Practical	2	40	60	100	31	59	90	9.0	O	P	APR 2022
5	III	20UPHC51	Classical and Statistical Mechanics	4	25	75	100	17	51	68	6.8	A+	P	NOV 2022
5	III	20UPHC52	Modern Physics	4	25	75	100	19	40	59	5.9	B+	P	NOV 2022
5	III	20UPHC53	Solid State Physics	4	25	75	100	18	29	47	4.7	C+	P	NOV 2022
5	III	20UPHC5PR	Project	1	100	-	100	82	-	82	8.2	D+	P	NOV 2022
5	III	20UPHE53	Spectroscopy	4	25	75	100	18	45	63	6.3	A	P	NOV 2022
6	III	20UPHC61	Analog Electronics	4	25	75	100	17	42	59	5.9	B+	P	APR 2023
6	III	20UPHC61P	General Physics Practical-III	3	40	60	100	31	46	77	7.7	D	P	APR 2023
6	III	20UPHC62	Nuclear and Particle Physics	4	25	75	100	15	49	64	6.4	A	P	APR 2023
6	III	20UPHC62P	Electronics Practical	3	40	60	100	31	45	76	7.6	D	P	APR 2023
6	III	20UPHC63	Digital Electronics	4	25	75	100	17	45	62	6.2	A	P	APR 2023
6	III	20UPHC63P	Digital Electronics Practical	2	40	60	100	30	55	85	8.5	D++	P	APR 2023
6	III	20UPHE62	Medical Physics	4	25	75	100	19	45	64	6.4	A	P	APR 2023
6	III	20UPHQ61	Core Courses Quiz-Online	1	100	-	100	43	-	43	4.3	C	P	APR 2023
1	IV	20UGVE11	Value Education	2	100	-	100	68	-	68	6.8	A+	P	NOV 2020
2	IV	20UPHS21	Programming in C	2	40	60	100	17	43	60	6.0	A	P	APR 2021
3	IV	20UPHS31	Solar Energy	2	40	60	100	30	46	76	7.6	D	P	NOV 2021
3	IV	20UGEH31	Human Rights	1	100	-	100	64	-	64	6.4	A	P	NOV 2021
3	IV	20UENN31	English for Professions-I	2	40	60	100	30	47	77	7.7	D	P	NOV 2021
4	IV	20UGEC41	Constitution of India	1	100	-	100	82	-	82	8.2	D+	P	APR 2022
4	IV	20UPHS41	Astrophysics	2	40	60	100	28	32	60	6.0	A	P	APR 2022
4	IV	20UENN41	English for Professions-II	2	40	60	100	27	37	64	6.4	A	P	APR 2022
4	IV	20UPHI41G	Internship/Field Project	1	100	-	100	89	-	89	8.9	D++	P	APR 2022
5	IV	20UGCE51	Practice for Competitive Examinations-Online	1	100	-	100	69	-	69	6.9	A+	P	NOV 2022
5	IV	20UGES51	Environmental Studies	1	100	-	100	69	-	69	6.9	A+	P	NOV 2022
5	IV	20UPHS51	Microprocessor	2	40	60	100	32	37	69	6.9	A+	P	NOV 2022
5	IV	20UPHS52P	Programming in C Lab	2	40	60	100	34	54	88	8.8	D++	P	NOV 2022
6	IV	20UPHS61P	Microprocessor Practical	2	40	60	100	36	59	95	9.5	O+	P	APR 2023
4	V	18UUVL1	Extension Activity - Library and Information Science	1	100	-	100	100	-	100	10.0	O+	P	APR 2022

PART	CURRENT SEMESTER		CUMULATIVE PERFORMANCE			MARKS	CLASSIFICATION
	CREDITS	GPA	CREDITS	CGPA	GRADE	SECURED	
I	-	-	12	7.20	A++	288/400	FIRST CLASS
II	-	-	12	7.0750	A++	283/400	FIRST CLASS
III	25	6.67	92	6.981522	A+	1901/2700	FIRST CLASS
IV	2	9.50	23	7.334783	A++	1030/1400	-
V	-	-	1	10	O+	100/100	-

To earn a UG Degree, a candidate has to score 140 credits

Signature of the Candidate

Any alteration in the above statement is invalid



P.H. Thana Raj
Principal

Control of Examinations

For UG : Passing Minimum is 40% in Aggregate with an External Minimum of 35%

For PG : Passing Minimum is 50% in Aggregate with an External Minimum of 45%

Marks and Grades:

The grade point for each course is computed by dividing the Total Mark (i.e., out of 100) by 10.

The following table gives the grade points and the letter grades for the total marks obtained by the candidate in each course.

Table of Grade Points and Letter Grade

RANGE OF MARKS	95 - 100	90 - 94	85 - 89	80 - 84	75 - 79	70 - 74	65 - 69	60 - 64	55 - 59	50 - 54	45 - 49	40 - 44	0 - 39	ABSENT	
GRADE POINTS	9.5 - 10.0	9.0 - 9.4	8.5 - 8.9	8.0 - 8.4	7.5 - 7.9	7.0 - 7.4	6.5 - 6.9	6.0 - 6.4	5.5 - 5.9	5.0 - 5.4	4.5 - 4.9	4.0 - 4.4	0.0 - 3.9	0.0	
LETTER GRADE	UG	O+	O	D++	D+	D	A++	A+	A	B+	B	C+	C	U	AA
	PG	O+	O	D++	D+	D	A++	A+	A	B+	B	U		AA	

For example : For the total mark 83, the grade point is 8.3

Calculation of grade point average for a semester examination :

$$\text{GPA (Grade Point Average)} = \frac{\sum C_i G_i}{\sum C_i} ; \text{CGPA (Cumulative Grade Point Average)} = \frac{\sum C_i G_i}{\sum C_i}$$

$$\text{GPA} = \frac{\text{Sum of the Multiplication of grade point by the respective credit of the course cleared in a semester}}{\text{Sum of the credits of the courses cleared in a semester}}$$

Where C_i - is the credit assigned to the Course i

G_i - is the point pertaining to the relevant grade obtained by the student for the Course i

$\sum C_i$ - summation of all courses cleared in a semester in the case of GPA and all courses cleared upto and inclusive of a given semester in the case of CGPA.

CGPA	GRADE	CLASSIFICATION OF FINAL RESULT
9.50000 - 10.00000	O+	FIRST CLASS
9.00000 - 9.49999	O	
8.50000 - 8.99999	D++	
8.00000 - 8.49999	D+	
7.50000 - 7.99999	D	
7.00000 - 7.49999	A++	
6.50000 - 6.99999	A+	
6.00000 - 6.49999	A	SECOND CLASS
5.50000 - 5.99999	B+	
5.00000 - 5.49999	B	THIRD CLASS
4.50000 - 4.99999	C+	
4.00000 - 4.49999	C	

Other Abbreviations :

P - Pass, RA - Reappear, AA - Absent, INT - Internal, EXT - External, TOT - Total, GP - Grade Point.

NOTE: To earn a U.G. Degree a candidate has to score 140 credits, P.G Degree a candidate has to score 90 credits.

CHECKED BY	P.R
VERIFIED BY	R.K





LADY DOAK COLLEGE, MADURAI

(An Autonomous Institution affiliated to Madurai Kamaraj University)

Re-accredited with 'A+' Grade by NAAC (4th Cycle)

STATEMENT OF MARKS



Name : BALABOOMIKA B

Reg. No. : 23PGPE02

Major : PHYSICS

D.O.B. : 16-06-2003

Serial No. : SP20230062N

Semester : I

Course : M.Sc.

Month & Year : NOVEMBER 2023

Course Code	Course Title	CA *Max.	SE *Max.	Aggr. 100	Gr.	Cr.	Mean	SD	Res.
PGP1401CM	NUMERICAL METHODS WITH C	42	19	61	C	4	64	9.81	C
PGP1501CM	CLASSICAL MECHANICS AND NONLINEAR DYNAMICS	37	26	63	C	5	69	11.36	C
PGP1502CM	INTEGRATED ELECTRONICS	38	24	62	C	5	65	9.56	C
PGP1601CM	MATHEMATICAL PHYSICS I	40	25	65	C	6	68	9.96	C
PGP1301CP	GENERAL LAB - I	43	14	57	D	3	66	8.90	C
PGV1003PV	FOUNDATION COURSE ON WOMEN'S STUDIES								Audited

Part-III : 61.6%

Medium of Instruction: ENGLISH

*50 for Theory, 25 for Lab & 66/100 for Non-Summer Courses

*60 for Theory & 25 for Lab Courses

LADY DOAK COLLEGE



[Signature]

Principal

[Signature]

Controller of Examinations

Date: 07-12-2023

P.T.O.

- This Statement of Marks replaces all other Statement of Marks bearing earlier dates.
- Any alteration or overwriting makes this Statement of Marks invalid.
- Any discrepancy found in any entry or between the entries made in the Statement of Marks and Publication of Results should be brought to the notice of the Head of the Institution.

Abbreviations:

Reg.No. – Register Number; Sem – Semester; CA - Continuous Assessment; SE - Semester Examination, Aggr – Aggregate Marks; Gr – Grade; Cr. – Credit; SD – Standard deviation; Res – Result; C – Completed; IC – Incomplete; RA – Reappearance

Major (CM); Lab cum Theory (CT); Major Optional (MO); Lab (CP); Field work (FW); Field Practicum (FP); Electives (EP/EI); Internship (SI); Value Based Courses (PV); Term Paper (MT); Mini Project (MP); Comprehensive Viva (MV); Self-Learning Courses (CD); Comprehensive e-Assessment (CE)

Passing Minimum:

M.A. / M.Sc. / M.Com. / M.S.W. : SE Minimum 45% Aggregate 50%

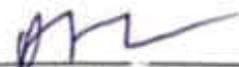
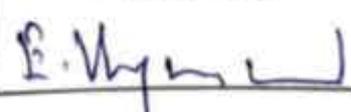
Grade:

Range of Marks (%)	Grade
>= 90	O
>= 80 & < 90	A
>= 70 & < 80	B
>= 60 & < 70	C
>= 50 & < 60	D
< 50	F

$$\text{Cumulative Weighted Arithmetic Mean (CWAM)} = \frac{\sum(\text{Cr.} \times \text{Aggr.})}{\sum \text{Cr.}}$$

Criteria for the award of class

OGP (Overall Grade Point = CWAM / 10)	CLASS
>= 8.5	First Class with Special Distinction
>= 7.5 & < 8.5	First Class with Distinction
>= 6.0 & < 7.5	First Class
>= 5.0 & < 6.0	Second Class

Prepared by

Verified by




LADY DOAK COLLEGE, MADURAI

(An Autonomous Institution affiliated to Madurai Kamaraj University)

Re-accredited with 'A+' Grade by NAAC (4th Cycle)

STATEMENT OF MARKS



Name : **BALABOOMIKA B**
Reg. No. : **23PGPE02**
Major : **PHYSICS**
D.O.B. : **16-06-2003**

Serial No. : **SP20240060A**
Semester : **II**
Course : **M.Sc.**
Month & Year : **APRIL 2024**

Course Code	Course Title	CA *Max.	SE #Max.	Aggr. 100	Gr.	Cr.	Mean	SD	Res.
PGP2401CM	QUANTUM MECHANICS I	37	20	57	D	4	71	14.42	C
PGP2402CM	STATISTICAL MECHANICS AND THERMODYNAMICS	39	29	68	C	4	69	15.22	C
PGP2501CM	MATHEMATICAL PHYSICS II	38	28	66	C	5	68	11.32	C
PGP2301CP	ELECTRONICS LAB	55	17	72	B	3	76	9.72	C
PGP2301CT	RESEARCH METHODOLOGY	42	30	72	B	3	73	7.24	C
PGC2202EI	ENTREPRENEURSHIP AND PROJECT MANAGEMENT	39	29	68	C	2	70	6.50	C
PGV2001PV	HUMAN RIGHTS AND DUTIES	Audited							

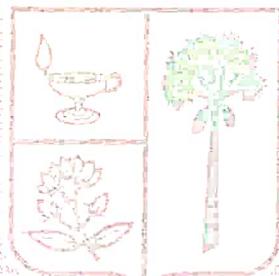
Part-III : 67%

Medium of Instruction: ENGLISH

*60 for Theory; 75 for Lab & 60/100 for Non Summative Courses

#40 for Theory & 25 for Lab Courses

LADY DOAK COLLEGE



SEMPER PRO VERITATE



Date: 24-05-2024

R. Beulah Jayalaxmi

Principal

Mery Sachin

Controller of Examinations

- This Statement of Marks replaces all other Statement of Marks bearing earlier dates.
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Abbreviations:

Reg.No. - Register Number; Sem - Semester; CA - Continuous Assessment; SE - Semester Examination; Aggr - Aggregate Marks; Gr - Grade; Cr. - Credit; SD - Standard deviation; Res - Result; C - Completed; IC - Incomplete; RA - Reappearance

Major (CM); Lab cum Theory (CT); Major Optional (MO); Lab (CP); Field work (FW); Field Practicum (FP); Electives (EP/EI); Internship (SI); Value Based Courses (PV); Term Paper (MT); Mini Project (MP); Comprehensive Viva (MV); Self-Learning Courses (CD); Comprehensive e-Assessment (CE)

Passing Minimum:

M.A. / M.Sc. / M.Com. / M.S.W. : SE Minimum 45% Aggregate 50%

Grade:

Range of Marks (%)	Grade
>= 90	O
>= 80 & < 90	A
>= 70 & < 80	B
>= 60 & < 70	C
>= 50 & < 60	D
< 50	F

Cumulative Weighted Arithmetic Mean (CWAM) = $\frac{\sum(\text{Cr.} \times \text{Aggr.})}{\sum \text{Cr.}}$

Criteria for the award of class

OGP (Overall Grade Point = CWAM / 10)	CLASS
>= 8.5	First Class with Special Distinction
>= 7.5 & < 8.5	First Class with Distinction
>= 6.0 & < 7.5	First Class
>= 5.0 & < 6.0	Second Class

Prepared by

Verified by
