

**SRI MEENAKSHI GOVERNMENT ARTS COLLEGE FOR WOMEN (AUTONOMOUS),
MADURAI-2**

PG PHYSICS BOARD OF STUDIES

The following are the resolutions of the PG Physics Board of Studies meeting held on 10.08.2023 in the department of Physics.

1. It is resolved to follow the TANSICHE syllabus from the academic year 2023 – 2024.
2. Total no. of credits for the postgraduate Physics programmes should be **91**. Total no. of papers for **M.Sc. Physics** should be **24** with a maximum of **2400** marks.
3. The following question pattern with uniform distribution of marks from all 5 units to be followed as exist:

Part A (Internal choice - either/or)

$5 \times 5 = 25$

Part B (Internal choice - either/ or)

$5 \times 10 = 50$

4. All SEC papers will have internal question setting and evaluation as exist.
5. Practical for core courses shall have examinations semester-wise. It was decided to have **25** marks for Internals and **75** marks for External for Practical paper.
6. It was decided to have **60** marks for Internals and **40** marks for External for PG Project paper.
7. Evaluation Pattern for Project shall be as follows:

The 60 marks for internals can be given for three reviews of 20 marks each.

Review- I

Problem Selection/ Choice of the Topic	Methodology/ Technology used	Effective content delivery	Interaction/ Answering questions	Total
5	5	5	5	20

Review- II

Work Progress	Development of ideas	Effective content delivery	Interaction/ Answering questions	Total
5	5	5	5	20

Review- III

Final outcome of the project	Implementation & execution	Effective content delivery	Interaction/ Answering questions	Total
5	5	5	5	20

Evaluation criteria for External (40 marks):

Organisation of ideas	Effective content delivery	Report	Total
10	10	20	40

8. Students are expected to undergo Summer Internship/ Industrial training for a minimum of 30 hours in the semesters mentioned in the template.
9. Evaluation pattern for Internship shall be as follows:
 - Attendance (mandatory) - 40 marks
 - Field work and performance - 40 marks
 - Report writing - 20 marks
10. Extension activities should be carried out after the class hours for a minimum of 15 hours.
11. Evaluation pattern for Extension Activity shall be as follows:
 - Attendance - 50 marks
 - Participation - 25 marks
 - Report - 25 marks

SUGESSTIONS GIVEN BY THE SUBJECT EXPERTS

QUANTUM MECHANICS – I

UNIT – I – Interpretation of wave function – (up to probability interpretation) ,
Linear vector space - (up to vector in a 3 dimensional space)

UNIT –II – Particle moving in a spherically symmetric potential - (up to solution of pie
equation)

QUANTUM MECHANICS – II

UNIT – II – Dipole approximation is added instead of adiabatic approximation and
sudden approximation.

BOARD OF STUDIES MEETING

10.08.2023 AN

The following members attended the PG Board of studies on 10.08.2023 AN, at 1.00 P.M. in the Department of Physics.

S.NO	NAME	CLASSIFICATION	ADDRESS	SIGNATURE
1.	Dr. ANITHA. K	University Nominee	Head of the Department School of Physics Madurai Kamaraj University, Palkalai Nagar, Madurai -625 021.	<i>Anitha</i> 10/8/23
2.	Dr. JOHNSON NAVAMANI .S	Subject Expert	Associate professor, Department of physics, Pope's college (A), Sawyerpuram- 628251.	<i>J. Johnson Navamani</i> 10/8/23
3.	Dr. MAHALAKSHMI .S	Subject Expert	Associate Professor, Department of Physics, Raja Douraisingam Government Arts College, Sivaganga - 630561.	<i>M. Mahalakshmi</i> 10/8/23
4.	Dr. KAVITHA. M	Alumna	Associate Professor and Head, Department of Physics, Sermathai Vasan College, Madurai- 625012	<i>Kavitha</i> 10/8/23
5.	Dr. NAGARANI. N	HOD of Physics	HOD of Physics, Sri Meenakshi Govt. Arts College For Women (A), Madurai -02.	<i>N. Nagarani</i> 10/8/23
6.	Dr. KRISHNABAMA. G	Faculty member	Associate Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai.-02.	<i>K. Krishnabama</i> 10.8.23
7.	Dr. CHITRA. J.S.P	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	<i>Chitra</i> 10/8/23
8.	Dr. SANTHI. M	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	<i>S. Santhi</i> 10.08.2023
9.	Dr. MAHALAKSHMI. M	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	<i>M. Mahalakshmi</i> 10/8/23
10.	Dr. VIJAYALAKSHMI. R	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	<i>V. Vijayalakshmi</i> 10.08.23

11.	Dr. SELVARANI. G	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	G. Selvi 10/8/23
12.	Mrs. MEENAKSHI. S.V	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	S. Meenakshi 10/8/23
13.	Dr. LILLY MARY EUCARISTA. K	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Lilly Mary 10/8/23
14.	Dr. KARUNANITHI. U	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Karunanithi 10/8/23
15.	Dr. VIJAYA KUMAR.R	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Vijaya Kumar 10/8/23
16.	Dr. BEULAH MARY. A	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Beulah Mary 10/8/23
17.	Dr. INDRA DEVI. P	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Indra Devi 10/8/23
18.	Dr. NIRMALA. P.N	Faculty member	Assistant Professor, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	Nirmala P.N 10/8/23
19.	Mrs. SATHYA BAMA. V	Faculty member	Guest Lecturer, Sri Meenakshi Govt. Arts College For Women (A), Madurai-02.	S. Sathya Bama 10/8/23