



UNIVERSITY OF CALCUTTA

Notification No. CSR/08/2025


It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in the exercise of her powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 28.01.2025 approved the Examination Modalities / Question Pattern for semester-3 of Physics (4-Year Honours and Honours with Research/ 3-Year MDC), Courses of Studies under CCF.

The new CSR shall take effect from the Odd Semester Examinations, 2024 onwards.

SENATE HOUSE

Kolkata-700073

11.02.2025


11/02/2025
Prof.(Dr.) Debasis Das

Registrar

Physics

Evaluation of papers in semester-3 will be as follows:

4-Year Honours and Honours with Research

1. Papers: PHS-DSC-3 & PHS-DSC-4 (Major) [3(Th)+1(P) = 4 credits]

a) Theory (75 Marks; 3 Hrs):

- i. There will be two sections, one for short questions and the other for long questions.
- ii. In the section of short questions, students will be expected to answer 5 questions each carrying 3 marks out of a set of 8 questions.
- iii. Students will be expected to answer 5 long questions each carrying 12 marks from a set of 8 questions. No part of a long question will carry more than 6 marks.
- iv. Paper setters will be expected to provide solutions for problems.

b) Practical (25 Marks; 3 Hrs)

- i. There will be three components of evaluation - Lab Note Book (LNB), *Viva-Voce* and Experiment.
- ii. LNB and *Viva-Voce* will carry 5 marks each.
- iii. Students will be expected perform 1 experiment (or write one or two programs) and the performance (knowledge of working formula, recording of data, calculations or programming) will carry 15 marks.

2. Paper: SEC-3 [1(Th)+3(P) = 4 credits]

As per circular CUS/201/Cir(24) dated 7th August, 2024. The content is appended below for ready reference.

3. Paper: PHS-Minor-3 [3(Th)+1(P) = 4 credits]

Same as DSC-1 for “4-Year Honours and Honours with Research” (CSR/49/2023 dated 19th December, 2023). This is appended below for ready reference.

3-Year MDC

1. Paper: PHS-MDC-GCC-3 [3(Th)+1(P) = 4 credits]

Same as DSC-3 and DSC-4 for “4-Year Honours and Honours with Research” described above.

2. Paper: PHS-Minor-GCC-1 [3(Th)+1(P) = 4 credits]

Same as DSC-1 for “4-Year Honours and Honours with Research” (CSR/49/2023 dated 19th December, 2023). This is appended below for ready reference.

3. Paper: SEC-3 [0(Th)+4(P) credits] for students with Physics as their minor subject.

Same as SEC-1 Paper for “4-Year Honours and Honours with Research” (CSR/49/2023 dated 19th December, 2023). This is appended below for ready reference.

IDC

1. Paper: IDC [2(Th)+1(Tu) = 3 Credits]

Same as IDC Paper for Sem-1 and Sem-2 (CSR/49/2023 dated 19th December, 2023). This is appended below for ready reference.

Previously Published Paper Structures

1. Paper: SEC-3 [1(Th)+3(P) = 4 credits] of 4-Year Honours and Honours with Research (CUS/201/Cir(24) dated 7th August, 2024)

(a) Theory (25 Marks; 1 Hr)

- i. Students will be expected to answer 5 short questions out of 8 each carrying 5 marks.

(b) Practical (75 Marks; 3 Hrs)

- i. A day-to-day evaluation by the home institution (LNB) will carry 25 marks.

ii. *Viva-Voce* will carry 10 marks.

iii. A practical examination to be held in away-centre will carry 40 marks.

2. Paper: DSC-1 [3(Th)+1(P) = 4 credits] of 4-Year Honours and Honours with Research (CSR/49/2023 dated 19th December, 2023)

(a) Theory (75 Marks; 3 Hrs):

- i. There will be two sections, one for short questions and the other for long questions.

- ii. In the section of short questions, students will be expected to answer 5 questions each carrying 3 marks out of a set of 8 questions with 4 questions being set from each of the two modules of the syllabus.
- iii. In the section of long questions, there will be two groups corresponding to the two modules of the syllabus. Students will be expected to answer 5 long questions each carrying 12 marks taking at least one from each group with 3 questions being set from the first group and 5 questions from the second group. No part of a long question will carry more than 6 marks.
- iv. Paper setters will be expected to provide solutions for problems.

(b) Practical (25 Marks; 3 Hrs)

- i. There will be three components of evaluation - Lab Note Book (LNB), *Viva-Voce* and Experiment.
- ii. LNB and *Viva-Voce* will carry 5 marks each.
- iii. Students will be expected perform 1 experiment and the performance (knowledge of working formula, recording of data, calculations) will carry 15 marks.

3. Paper: SEC-1 [0(Th)+4(P) = 4 credits] of 4-Year Honours and Honours with Research (CSR/49/2023 dated 19th December, 2023)

(a) Practical (100 Marks; 3 Hrs)

- i. There will be three components of evaluation - Lab Note Book (LNB), *Viva-Voce* and Programming.
- ii. LNB and *Viva-Voce* will carry 20 marks each.
- iii. There will be 2 groups for the the programming part. Group A (*plotting usinggnuplot*) and group B (*python programming*).
- iv. Students will be expected write one program from each group.
- v. Group A will carry 20 marks and Group B will carry 40 marks.

4. Paper: IDC (2(Th)+1(Tu) = 3 Credits) for students not having Physics as their Major or Minor subject (CSR/49/2023 dated 19th December, 2023).

(a) Theory (50 Marks; 2 Hrs):

- i. Students will be expected to answer 5 questions each carrying 10 marks each out of a set of 8 questions.

(b) Tutorial (25 Marks; 1 Hr):

- i. Evaluation will be based on an Internal Examination conducted by the college.
- ii. Students will be expected to answer 5 questions each carrying 5 marks out of a set of 8 questions.