

NO. K/393239

INDEX NO. A1-104

# West Bengal Board Of Secondary Education



## MARK SHEET OF MADHYAMIK PARIKSHA (SECONDARY EXAMINATION) 2013

ROLL **110172B**NO. **0017**NAME **RATNABALI GHOSH**F/D/X OF **PARTHA GHOSH**APPEARING FROM **LORETO DAY SCHOOL (BOWBAZAR)**X/HER COMBINATION OF SUBJECTS (IN SYMBOLS) **EFL BSL Hs**

| SUBJECT                   | FULL MARKS |      |       | MARKS OBTAINED |      |       |       |
|---------------------------|------------|------|-------|----------------|------|-------|-------|
|                           | WRITTEN    | ORAL | TOTAL | WRITTEN        | ORAL | TOTAL | GRADE |
| COMPULSORY SUBJECTS       |            |      |       |                |      |       |       |
| FIRST LANGUAGE            | 90         | 10   | 100   | 57             | 10   | 67    | A     |
| SECOND LANGUAGE           | 90         | 10   | 100   | 70             | 10   | 80    | A+    |
| MATHEMATICS               | 90         | 10   | 100   | 88             | 10   | 98    | AA    |
| PHYSICAL SCIENCE          | 90         | 10   | 100   | 80             | 10   | 90    | AA    |
| LIFE SCIENCE              | 90         | 10   | 100   | 85             | 10   | 95    | AA    |
| HISTORY                   | 90         | 10   | 100   | 77             | 10   | 87    | A+    |
| GEOGRAPHY                 | 90         | 10   | 100   | 87             | 10   | 97    | AA    |
| OPTIONAL ELECTIVE SUBJECT |            |      | 100   | 92             |      | 92    | AA    |

**GRAND TOTAL** → **614** (Six Hundred Fourteen)**RESULT** → **P****OVERALL GRADE :** **A+****RESULT :**

| Grade Scale | Grade | Performance Indicator |
|-------------|-------|-----------------------|
| 90-100      | AA    | Outstanding           |
| 80-89       | A+    | Excellent             |
| 60-79       | A     | Very Good             |
| 45-59       | B+    | Good                  |
| 35-44       | B     | Satisfactory          |
| 25-34       | C     | Marginal              |
| Below 25    | D     | Disqualified          |

|       |                             |
|-------|-----------------------------|
| P     | For Successful Candidate    |
| Comp. | For Compartmental Candidate |
| X     | For Unsuccessful Candidate  |

Overall Grade is calculated dividing Grand Total by 7 (number of Compulsory Subjects).

Candidate securing total marks with a fractional Percentage of 0.5 and above is placed in the next higher grade.

*Samir Kr. Saha*  
Deputy Secretary (Exam.)

*Kalyanmoy Ganguly*  
Administrator

क्रम संख्या /  
S.No. SSCE / 2015/

केन्द्रीय माध्यमिक शिक्षा बोर्ड  
CENTRAL BOARD OF SECONDARY EDUCATION

808944

अंक विवरणिका MARKS STATEMENT

सीनियर स्कूल सर्टिफिकेट परीक्षा, 2015

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION, 2015

नाम Name RATNABALI GHOSH

अनुक्रमांक Roll No. 6625644

माता/पिता/संरक्षक का नाम SUMITA GHOSH

Mother's/Father's/Guardian's Name PARTHA GHOSH

विद्यालय School 08438 BHAVAN S G B KANDORIA VIDYA MANDIR S LAKE KOLKATA

| विषय कोड<br>SUB.<br>CODE | विषय SUBJECT       | प्राप्तांक MARKS OBTAINED |             |              |                                  | स्थितीय ग्रेड<br>POSITIONAL<br>GRADE |
|--------------------------|--------------------|---------------------------|-------------|--------------|----------------------------------|--------------------------------------|
|                          |                    | लि.<br>TH                 | प्रे.<br>PR | योग<br>TOTAL | योग शब्दों में<br>TOTAL IN WORDS |                                      |
| 301                      | ENGLISH CORE       | 095                       | XXX         | 095          | NINETY FIVE                      | A1                                   |
| 041                      | MATHEMATICS        | 071                       | XXX         | 071          | SEVENTY ONE                      | B1                                   |
| 042                      | PHYSICS            | 053                       | 027         | 080          | EIGHTY                           | B1                                   |
| 043                      | CHEMISTRY          | 061                       | 029         | 090          | NINETY                           | A2                                   |
| 044                      | BIOLOGY            | 065                       | 029         | 094          | NINETY FOUR                      | A2                                   |
| 048                      | PHYSICAL EDUCATION | 067                       | 029         | 096          | NINETY SIX                       | A1                                   |
| 500                      | WORK EXPERIENCE    |                           |             |              |                                  | A2                                   |
| 502                      | PHY & HEALTH EDUCA |                           |             |              |                                  | A2                                   |
| 503                      | GENERAL STUDIES    |                           |             |              |                                  | A1                                   |

संक्षिप्तियों का अर्थ : Abbreviations

AB : विषय में अनुपस्थित Absent in the Subject

परिणाम Result

PASS

EX : छूट-प्राप्त Exempted

FP : प्रयोगात्मक में असफल Fail in Practical

FT : लिखित में असफल Fail in Theory

दिल्ली Delhi

25-05-2015

दिनांक Dated

परीक्षा नियंत्रक  
Controller of Examinations



# UNIVERSITY OF CALCUTTA

## STATEMENT OF MARKS

B. SC. PART-III (THREE YEAR HONOURS) EXAMINATION, 2018  
(UNDER 2009 REGULATIONS, 1+1+1 SYSTEM)

NAME RATNABALI GHOSH

Roll Number. 3115-51-0089

&amp; Registration number 031-1221-0917-15

| Compulsory Language Group at Part-I Examination : (Consisting of Compulsory English (ENG) of 50 marks and a Modern Indian Language (MIL) in Bengali (BNGM)/Hindi(HINM)/ Urdu(URDM)/ Nepali (NPLM)/ Alternative English (ENGM) of 50 marks.) |                     |                |              |                | Compulsory Paper on Environmental Studies (ENVS) at Part III level; (Consisting Project Work of 25 marks Theoretical Examination of 75 marks under CSR/54/09, CSR/62/16). At Part-I Full marks 50 under CSR/61/06 & CSR/79/05 |                |              |                | GRADE SCORE | RANGE OF MARKS     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|----------------|-------------|--------------------|
| SUBJECT                                                                                                                                                                                                                                     | YEAR OF EXAMINATION | MARKS OBTAINED | GRADE SCORED | SUBJECT STATUS | YEAR OF EXAMINATION                                                                                                                                                                                                           | MARKS OBTAINED | GRADE SCORED | SUBJECT STATUS |             |                    |
| ENG                                                                                                                                                                                                                                         | 2016                | 20             | B            | P              | 2018                                                                                                                                                                                                                          | 96             | A            | P              | A           | 60% & Above        |
| BNGM                                                                                                                                                                                                                                        | 2016                | 23             | B            | P              |                                                                                                                                                                                                                               |                |              |                | B           | 30 % to below 60 % |
|                                                                                                                                                                                                                                             |                     |                |              |                |                                                                                                                                                                                                                               |                |              |                | C           | Below 30 %         |

| HONOURS / GENERAL / MAJOR SUBJECTS |                           |                     |     |     |            |                                           |     |                 |     |                                                         |     |                |
|------------------------------------|---------------------------|---------------------|-----|-----|------------|-------------------------------------------|-----|-----------------|-----|---------------------------------------------------------|-----|----------------|
| Subject Codes                      | Marks Credited Previously |                     |     |     | PAPER/S    | Marks obtained at the current examination |     |                 |     | Subject total (Theory & Practical Marks taken together) |     | Subject Status |
|                                    | Exam Part I/II/III        | Year of Examination | FM  | MO  |            | Theoretical Marks                         |     | Practical Marks |     | I+II+III                                                |     |                |
|                                    |                           |                     |     |     |            | FM                                        | MO  | FM              | MO  | FM                                                      | MO  |                |
| MCBA                               |                           |                     |     |     | V GROUP A  | 50                                        | 28  |                 |     |                                                         |     |                |
|                                    |                           |                     |     |     | V GROUP B  | 50                                        | 24  |                 |     |                                                         |     |                |
| HONS                               |                           |                     |     |     | VI GROUP A | 50                                        | 29  |                 |     |                                                         |     |                |
|                                    |                           |                     |     |     | VI GROUP B | 50                                        | 33  |                 |     |                                                         |     |                |
|                                    |                           |                     |     |     | VII        |                                           |     | 100             | 79  |                                                         |     |                |
|                                    |                           |                     |     |     | VIII       |                                           |     | 100             | 77  |                                                         |     |                |
| Total                              | I                         | '16                 | 200 | 142 |            |                                           |     |                 |     |                                                         |     |                |
|                                    | II                        | '17                 | 200 | 120 |            | 200                                       | 114 | 200             | 156 | 800                                                     | 532 | H              |
| CEMG                               |                           |                     |     |     |            |                                           |     |                 |     |                                                         |     |                |
| GENL                               | I                         | '16                 | 100 | 78  |            |                                           |     |                 |     |                                                         |     |                |
| Total                              | II                        | '17                 | 200 | 146 |            |                                           |     |                 |     |                                                         |     | P              |
| PHSG                               |                           |                     |     |     |            |                                           |     |                 |     |                                                         |     |                |
| GENL                               | I                         | '16                 | 100 | 41  |            |                                           |     |                 |     |                                                         |     |                |
| Total                              | II                        | '17                 | 200 | 128 |            |                                           |     |                 |     |                                                         |     | P              |

| Aggregate Marks & Result                                                                                                                                                                                                                                                                                            |                |                    |         |          |   |          | Common Codes       |  | Explanation of codes |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|---------|----------|---|----------|--------------------|--|----------------------|--|
| [Part - I, Part - II & Part - III marks taken together (excluding marks in ENVS & Compulsory Language Group) For Honours / Major Course, marks obtained in Honours / Major papers only are taken into account for the purpose of calculating final result on completion of Part I, Part II & Part III Examinations] |                |                    |         |          |   |          |                    |  |                      |  |
| FOR PART III EXAMINATION ONLY                                                                                                                                                                                                                                                                                       |                | EXAMINATION RESULT |         |          | # | Class    | Range of Marks     |  |                      |  |
| Aggregate Marks                                                                                                                                                                                                                                                                                                     | Marks Obtained | PART I             | PART II | PART III |   | I        | 60 % & above       |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | II       | 40 % to below 60 % |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | Division |                    |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | 1        | 60% & above        |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | 2        | 45 % to below 60 % |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | P        | 30 % to below 45 % |  |                      |  |
|                                                                                                                                                                                                                                                                                                                     |                |                    |         |          |   | X        |                    |  |                      |  |
| 800                                                                                                                                                                                                                                                                                                                 | 532            | QH                 | QH      | I        |   |          |                    |  |                      |  |

| # Remarks:                 |                                                                                                                                             | # Minimum Marks/Grade to be obtained in each Subject : Under CSR/79/05 & CSR/41/06                                                                                                |  |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Major Subject              | 35% in each of Theoretical & Practical Portions of Part I, II & III Examinations & 40% in the Aggregate of Part I, II & III taken together. | 30% in each of Theoretical & Practical Portions, 35% in aggregate of each Part I, II & III & 40% in the Aggregate of Part I, II & III Examinations taken together.                |  |
| Major/General Subject      | 30% in each of Theoretical & Practical Portions at each Part I, II & III Examinations.                                                      | 25% in each of Theoretical & Practical Portions and 30% in the Aggregate of Part I, II & III taken together 30% in the Aggregate of Part I, II & III Examinations taken together. |  |
| Compulsory Language & ENVS | Grade C                                                                                                                                     | 20% in each of ENG & MIL and 30% in ENG+MIL; 30% in ENVS.                                                                                                                         |  |

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| PASSED WITH HONOURS AND<br>PLACED IN FIRST CLASS | <br>CONTROLLER OF EXAMINATIONS |
|--------------------------------------------------|--------------------------------|

UG-ASC-018/ 0002561

(VIDE REVERSE)



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR  
STATEMENT OF GRADES OBTAINED FOR THE 4 SEMESTER POST GRADUATE COURSE LEADING TO THE DEGREE OF  
MASTER OF SCIENCE



Roll No: 18BS40J06

Name: RATNABALI GHOSH

Year of Admission : 2018-2019

Course: CHEMICAL AND MOLECULAR BIOLOGY(2YR. M.Sc.)

Year of Graduation : 2019-2020

For Semester 1

SGPA: 8.58

CGPA: 8.58

| Subno   | Name                                                     | L-T-P | CRD | GRD |
|---------|----------------------------------------------------------|-------|-----|-----|
| BS40001 | NUCLEIC ACIDS: STRUCTURE AND FUNCTION                    | 3-0-0 | 3   | B   |
| BS40005 | CARBOHYDRATES AND LIPIDS: STRUCTURE AND FUNCTION         | 3-0-0 | 3   | B   |
| BS40009 | MOLECULES OF LIFE AND THE FUNDAMENTALS OF LIVING SYSTEMS | 2-0-0 | 2   | A   |
| BS41001 | CELL AND DEVELOPMENTAL BIOLOGY                           | 3-1-0 | 4   | B   |
| BS41003 | BIOPHYSICAL AND BIOCHEMICAL METHODS                      | 3-1-0 | 4   | A   |
| BS41005 | COMPUTATIONAL BIOLOGY AND BIOINFORMATICS                 | 3-1-0 | 4   | A   |
| BS49001 | CHEMICAL BIOLOGY LABORATORY                              | 0-0-6 | 4   | A   |

For Semester 2

SGPA: 8.73

CGPA: 8.65

| Subno   | Name                                       | L-T-P | CRD | GRD |
|---------|--------------------------------------------|-------|-----|-----|
| BS40002 | MOLECULAR MICROBIOLOGY                     | 3-0-0 | 3   | B   |
| BS40004 | INFECTION AND IMMUNITY                     | 3-0-0 | 3   | B   |
| BS41002 | STRUCTURE DETERMINATION OF BIOMOLECULES    | 3-1-0 | 4   | A   |
| BS41004 | ADVANCES IN PROTEIN STRUCTURE AND FUNCTION | 3-1-0 | 4   | A   |
| BS49002 | CELL BIOLOGY LABORATORY                    | 0-0-3 | 2   | A   |
| BT60002 | RECOMBINANT DNA TECHNOLOGY                 | 3-1-0 | 4   | A   |
| BT69016 | RECOMBINANT DNA TECHNOLOGY LABORATORY      | 0-0-3 | 2   | A   |

For Semester 3

SGPA: 9.29

CGPA: 8.85

| Subno   | Name                                        | L-T-P  | CRD | GRD |
|---------|---------------------------------------------|--------|-----|-----|
| BS50001 | FUNCTIONAL MATERIALS IN BIOLOGY             | 3-0-0  | 3   | EX  |
| BS50005 | BIOSYNTHESIS OF SECONDARY METABOLITES       | 3-0-0  | 3   | EX  |
| BS50007 | NANOSCALE ENGINEERING OF BIOLOGICAL SYSTEMS | 3-0-0  | 3   | A   |
| BS57001 | PROJECT                                     | 0-0-18 | 12  | A   |

For Semester 4

SGPA: 9.43

CGPA: 9.00

| Subno   | Name                                     | L-T-P  | CRD | GRD |
|---------|------------------------------------------|--------|-----|-----|
| BS50004 | BIOLOGICAL IMAGING: IN VIVO AND IN VITRO | 3-0-0  | 3   | C   |
| BS57002 | PROJECT                                  | 0-0-24 | 16  | EX  |
| BS58002 | VIVA VOCE                                | 0-0-0  | 2   | A   |
| BS58004 | SEMINAR                                  | 0-0-3  | 2   | A   |

Total Credit Taken in Major Curriculum: 90 Total Credit Cleared: 90 CGPA: 9.00

Date of Issue : 16 Jul 2020

Checked by

Joint Registrar (Academic)  
Joint Registrar (Academic) Joint Registrar (UG)

Date: 12/07/2019

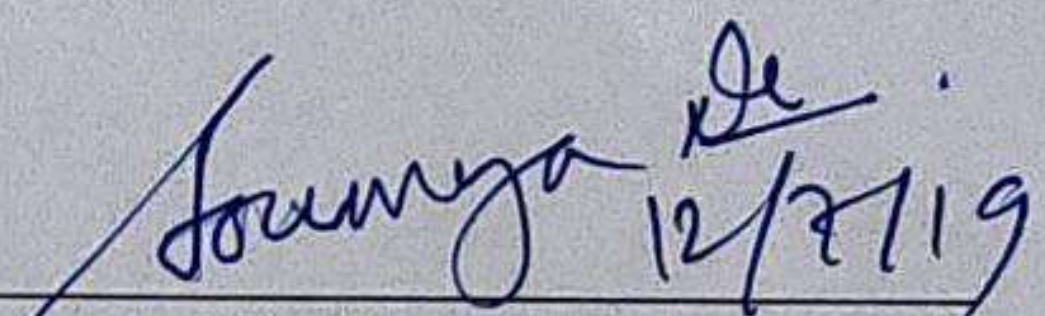
To whomsoever it may concern

This is to certify that Ms. RATNABALI GHOSH has worked with me during the period 01-05-2019 to 11-07-2019. The student has worked in a project/research topic entitled Protein design during the aforesaid period.

I am favorably impressed with the student's diligence, obedience and sincerity towards work assigned to the said student.

It is hereby declared that the internship was not a part of the said student's academic curriculum of institute the student studies in.

The undersigned may be contacted for further information about the intern.

  
(Signature of Faculty)

Name of faculty: Soumya De

Designation: Assistant Professor Grade-I

Department/Center/School: Bio Science