



# UNIVERSITY OF CALCUTTA

## Grade Sheet



### B.Sc. Semester - V (Honours) Examination (Under CBCS), 2022

(Vide CSR/3/18)

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Roll No.: 203532-21-0035

| Course Code<br>(Course Type)                         | Course Name                 | Year  | Course Component    | Full Marks | Marks Obtained | Credit | Credit Points Obtained | Grade | Status |
|------------------------------------------------------|-----------------------------|-------|---------------------|------------|----------------|--------|------------------------|-------|--------|
| MCBA-CC11<br>(Core Course)                           | FOOD AND DAIRY MICROBIOLOGY | 2022  | Theoretical         | 50         | 31             | 4      | 27.840                 | A     | P      |
|                                                      |                             | 2022  | Practical           | 30         | 28             | 2      | 18.934                 |       |        |
|                                                      |                             | 2022  | Internal Assessment | 20         | 20             | -      | -                      |       |        |
|                                                      |                             | Total |                     | 100        | 79             | 6      | 46.774                 |       |        |
| MCBA-CC12<br>(Core Course)                           | INDUSTRIAL MICROBIOLOGY     | 2022  | Theoretical         | 50         | 33             | 4      | 29.120                 | A     | P      |
|                                                      |                             | 2022  | Practical           | 30         | 25             | 2      | 17.334                 |       |        |
|                                                      |                             | 2022  | Internal Assessment | 20         | 20             | -      | -                      |       |        |
|                                                      |                             | Total |                     | 100        | 78             | 6      | 46.454                 |       |        |
| MCBA-DSE-A1<br>(Discipline Specific Elective Course) | MICROBIAL BIOTECHNOLOGY     | 2022  | Theoretical         | 50         | 39             | 4      | 31.760                 | A+    | P      |
|                                                      |                             | 2022  | Practical           | 30         | 29             | 2      | 18.866                 |       |        |
|                                                      |                             | 2022  | Internal Assessment | 20         | 17             | -      | -                      |       |        |
|                                                      |                             | Total |                     | 100        | 85             | 6      | 50.626                 |       |        |
| MCBA-DSE-B1<br>(Discipline Specific Elective Course) | INHERITANCE BIOLOGY         | 2022  | Theoretical         | 50         | 36             | 4      | 29.440                 | A+    | P      |
|                                                      |                             | 2022  | Practical           | 30         | 28             | 2      | 18.134                 |       |        |
|                                                      |                             | 2022  | Internal Assessment | 20         | 16             | -      | -                      |       |        |
|                                                      |                             | Total |                     | 100        | 80             | 6      | 47.574                 |       |        |
| Grand Total                                          |                             |       |                     | 400        | 322            | 24     | 191.428                |       |        |

Semester Grade Point Average (SGPA) : 7.976

Remarks : Semester Cleared

#### Abbreviations

P : Passed in the Course, F : Failed in the Course,  
F(TH) : Failed in Theoretical, F(PR) : Failed in Practical, F(TU) : Failed in Tutorial,  
AB : Absent, +1 : Grace Mark, EC : Examination Cancelled,  
ECDB1 : Debarment for 1 year, ECDB2 : Debarment for 2 year,  
N.A. : Not Applicable

CONTROLLER OF EXAMINATIONS

Sl. No.UG-AS-SEM-022/ 0187935

(Acting)

| Honours & General Subjects having CC, GE (for General Subjects only), DSE & SEC |              |              |                                 |              |              | Major Subjects having CC, DSE & SEC               |      |
|---------------------------------------------------------------------------------|--------------|--------------|---------------------------------|--------------|--------------|---------------------------------------------------|------|
| Subjects                                                                        | Honours Code | General Code | Subjects                        | Honours Code | General Code | Subjects                                          | Code |
| Ancient Indian & World History                                                  | AIWA         | AIWG         | Islamic History & Culture       | IHCA         | IHCG         | Advertising, Sales Promotion And Sales Management | ASPV |
| Anthropology                                                                    | ANTA         | ANTG         | Journalism & Mass Communication | JORA         | JORG         | Computer Application                              | CMAY |
| Arabic                                                                          | ARBA         | ARBG         | Library & Information Studies   | LSTA         | LSTG         | Communicative English                             | CMEV |
| Bengali                                                                         | BNGA         | BNGG         | Linguistics                     | LINA         | LING         | Clinical Nutrition & Dietetics                    | CNDV |
| Bio-chemistry                                                                   | BCMA         | BCMG         | Mathematics                     | MTMA         | MTMG         | Industrial Fish & Fisheries                       | IFFV |
| Botany                                                                          | BOTA         | BOTG         | Molecular Biology               |              | MLBG         | Industrial Chemistry                              | INCV |
| Chemistry                                                                       | CEMA         | CEMG         | Micro Biology                   | MCBA         | MCBG         | Seri Culture                                      | SRTV |
| Computer Science                                                                | CMSA         | CMSG         | Music                           | MUCA         | MUCG         | Tourism & Travel Management                       | TTMV |
| Defence Studies                                                                 | DFSA         | DFSG         | Pali                            | PALA         | PALG         | AECC1 SUBJECTS                                    |      |
| Economics                                                                       | ECOA         | ECOG         | Persian                         | PERA         | PERG         | Communicative English                             | ENGM |
| Education                                                                       | EDCA         | EDCG         | Philosophy                      | PHIA         | PHIG         | Bengali                                           | BNGM |
| Electronics                                                                     | ELTA         | ELTG         | Physical Education              |              | PEDG         | Hindi                                             | HINM |
| English                                                                         | ENGA         | ENGG         | Physics                         | PHSA         | PHSG         | Urdu                                              | URDM |
| Environmental Science                                                           | ENVA         | ENVG         | Physiology                      | PHYA         | PHYG         | AECC2 SUBJECTS                                    |      |
| Film Studies                                                                    |              | FMSG         | Political Science               | PLSA         | PLSG         | Environmental Studies                             | ENVS |
| Food And Nutrition                                                              | FNTA         | FNTG         | Psychology                      | PSYA         | PSYG         | LCC1 SUBJECT (for B.A. General Course only)       |      |
| Geography                                                                       | GEOA         | GEOG         | Russian                         | RUSA         | RUSG         | English                                           | ENGC |
| Geology                                                                         | GELA         | GELG         | Sanskrit                        | SANA         | SANG         | LCC2 SUBJECTS (for B.A. General Course only)      |      |
| Hindi                                                                           | HINA         | HING         | Social Science                  | SSCA         | SSCG         | Bengali                                           | BNGL |
| History                                                                         | HISA         | HISG         | Sociology                       | SOCA         | SOCG         | Hindi                                             | HINL |
| Home Science Extension Education                                                |              | HSEG         | Statistics                      | STSA         | STSG         | Urdu                                              | URDL |
| Household Art                                                                   | HARA         | HARG         | Urdu                            | URDA         | URDG         | Alternative English                               | ENGL |
| Human Development                                                               | HMDA         | HMDG         | Women Studies                   |              | WOSG         |                                                   |      |
| Human Rights                                                                    |              | HURG         | Zoology                         | ZOOA         | ZOOG         |                                                   |      |

\* For B.Com (Major) Course, Generic Elective Subjects as mentioned in concerned GSR (CSR/4/18)

Abbreviations: CC- Core Course, GE - Generic Elective, DSE- Discipline Specific Elective, SEC- Skill Enhancement Course, LCC- Language Core Course, AECC- Ability Enhancement Compulsory Course

**Pass Marks:** A candidate has to secure 30% of the full marks in each of theoretical, practical/tutorial component of a course (excluding internal assessment marks), as well as in the course total (including internal assessment marks) in order to earn credit in the course.

**Grace Marks:** If a candidate fails in a course due to deficit of not more than one mark either in theoretical or in practical/tutorial component or in the course total, then that deficit mark is awarded to the candidate and such deficit mark is shown in the Grade Sheet with + sign.

**Credit:** All CC/GE/DSE courses have 6 credits each. Courses having tutorial component have 5 credits in theoretical component and 1 credit in tutorial component; courses having practical component have 4 credits in theoretical component and 2 credits in practical component. All AECC/SEC/LCC courses have 2 credits each.

**Grade, Grade Point & Credit Point:**

Marks obtained by a candidate in a course have been converted to Letter Grade as per the 10-point grading system given below.

**Credit Point:** Credit point of a course is calculated only if a candidate has passed in that course and has earned the credit. After addition of internal assessment marks to theoretical and practical/tutorial portion in proportion of the full marks of theoretical and practical/tutorial components, the marks are converted to grade points using the formula  $[3.0 + ((P-30) \times 0.1)]$ , where the candidate secures P% of marks and  $P \geq 30$ . Grade points are then multiplied by respective credits to calculate credit points of theoretical and practical/tutorial components. Course credit points are total of theoretical credit point and practical/tutorial credit points.

Credit point will not be generated for course having status 'F' or 'AB' as well as 'EC' or 'DB'.

**Semester Grade Point Average (SGPA):** For each Semester (1-6) SGPA is calculated by using the following formula provided the candidate has passed in all courses of the Semesters.

$$SGPA = \frac{\text{Sum of Credit Points of all Courses in the Semester}}{\text{Sum of Credits of all Courses in the Semester}} \quad \text{i.e. } \frac{\sum (P_i \times C_i)}{\sum C_i} \quad \text{where } P_i = \text{numerical grade point obtained in the } i^{\text{th}} \text{ course, } C_i = \text{credit in the corresponding course, } (i=1 \text{ to } n, n = \text{number of courses})$$

**Cumulative Grade Point Average (CGPA):** At the final Semester examination CGPA is calculated by the formula given below provided the candidate has passed in all 6 Semesters.

$$CGPA = \frac{\text{Sum of Credit Points of all Courses in all 6 Semesters}}{\text{Sum of Credits of all Courses in all 6 Semesters}} \quad \text{i.e. } \frac{\sum (SGPA_i \times C_i)}{\sum C_i} \quad \text{where } SGPA_i \text{ is the SGPA of the } i^{\text{th}} \text{ Semester } (i=1 \text{ to } 6) \text{ and } C_i \text{ is the total credit of the } i^{\text{th}} \text{ Semester}$$

Both SGPA and CGPA are rounded off to the third place of the decimal.

**Degree:** 1. A candidate pursuing Honours Course of study is awarded as below:

- Honours Degree is awarded if a candidate passed in all 6 Semesters and secures a minimum of CGPA 4.000. Corresponding Letter Grade is awarded as per the table given below.
- General Degree is awarded if a candidate passed in all 6 Semesters and secures a minimum of CGPA 3.000 but less than 4.000 and corresponding letter Grade is awarded.

2. A candidate pursuing General Course of study is awarded General Degree. If passed in all 6 Semesters and secures a minimum of CGPA 3.000. Corresponding Letter Grade is awarded as per the table given below.

3. A candidate pursuing Major Course of study is awarded Major Degree if passed in all 6 Semesters and secures a minimum of CGPA 3.000. Corresponding Letter Grade is awarded as per the table given below.

| 10 Point Grading System |              |                       |
|-------------------------|--------------|-----------------------|
| Percentage of Marks (P) | Letter Grade | Numerical Grade Point |
| $90 \leq P \leq 100$    | A++          | 9.0 - 10.0            |
| $80 \leq P < 90$        | A+           | 8.0 - 8.9             |
| $70 \leq P < 80$        | A            | 7.0 - 7.9             |
| $60 \leq P < 70$        | B+           | 6.0 - 6.9             |
| $50 \leq P < 60$        | B            | 5.0 - 5.9             |
| $40 \leq P < 50$        | C+           | 4.0 - 4.9             |
| $30 \leq P < 40$        | C            | 3.0 - 3.9             |
| Below 30                | F            | 0                     |
| Absent                  | AB           | 0                     |

| CGPA & Letter Grades |              |              |
|----------------------|--------------|--------------|
| CGPA                 | Letter Grade | Remarks      |
| 9.000 - 10.000       | A++          | Outstanding  |
| 8.000 - 8.999        | A+           | Excellent    |
| 7.000 - 7.999        | A            | Very Good    |
| 6.000 - 6.999        | B+           | Good         |
| 5.000 - 5.999        | B            | Average      |
| 4.000 - 4.999        | C+           | Fair         |
| 3.000 - 3.999        | C            | Satisfactory |
| 0.000 - 2.999        | F            | Fail         |

#### Retention of Marks:

- Internal assessment marks obtained by a candidate in a course of a Semester shall be in credit throughout the course of study. Candidates absent in the internal examination will be considered as having obtained zero and the marks will be retained accordingly.
- If a candidate obtained pass marks in theoretical/practical/tutorial component(s) of a course in a semester, it shall be retained throughout the course of study.
- If a candidate obtained pass marks in a course in a Semester then marks obtained in all components of the course shall be retained throughout the course of study.

#### Re-Examination of Answer Scripts:

- After publication of result, a candidate can seek re-examination of answer scripts of theoretical component(s) only (excluding the Courses answered through OMR) of not more than two courses provided The candidate appeared in all courses in the Semester Examination, and
- The candidate obtained at least 30% marks in the remaining courses taken together.

#### Photocopies of assessed Answer Scripts:

- After publication of result, a candidate can apply for obtaining the photocopies of assessed answer scripts of theoretical component(s) only (excluding the Courses answered through OMR) for self inspection.