UNIVERSITY OF CALCUTTA

Grade Sheet

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

(Vide CSR/3/18)

Name: ANKAN MONDAL   **Registration No.:** 532-1111-0848-20   **Roll No.:** 203532-21-0035

Course Code (Course Type)	Course Name	Year	Course Component	Full Marks	Marks Obtained	Credit	Credit Points Obtained	Grade	Status
MCBA-CC8 (Core Course)	MICROBIAL GENETICS	2022	Theoretical	50	42	4	34.880		
		2022	Practical	30	24	2	16.800		
		2022	Internal Assessment	20	20	-	-	A+	P
			Total	100	86	6	51.680		
MCBA-CC9 (Core Course)	ENVIRONMENTAL MICROBIOLOGY	2022	Theoretical	50	37	4	31.280		
		2022	Practical	30	27	2	18.200		
		2022	Internal Assessment	20	19	-	-	A+	P
			Total	100	83	6	49.480		
MCBA-CC10 (Core Course)	RECOMBINANT DNA TECHNOLOGY	2022	Theoretical	50	40	4	33.600		
		2022	Practical	30	27	2	18.400		
		2022	Internal Assessment	20	20	-	-	A+	P
			Total	100	87	6	52.000		
MCBA-SEC-B1 (Skill Enhancement Course)	FOOD FERMENTATION TECHNIQUES	2022	Theoretical	80	60		-		
								A+	P
		2022	Internal Assessment	20	20	-	-		
			Total	100	80	2	16.000		
ZOOG-GE4 (Generic Elective Course)	GENETICS AND EVOLUTIONARY BIOLOGY	2022	Theoretical	50	42	4	34.880		
		2022	Practical	30	28	2	18.934		
		2022	Internal Assessment	20	20	-	-	A++	P
			Total	100	90	6	53.814		
			Grand Total	500	426	26	222.974		

Semester Grade Point Average (SGPA) : 8.576

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
(Acting)

SUBJECTS WITH ABBREVIATIONS FOR B.A./B.Sc. (HONOURS/GENERAL/MAJOR) AND B.Com. (MAJOR) COURSES UNDER CBCS CURRICULUM

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	CMAV
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 CSR (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 $[3.0+\{(P-30)\times0.1\}]$, where the candidate secures P% of marks and P ≥ 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.

$SGPA = \frac{\text{Sum of Credit Points of all Courses in the Semester}}{\text{Sum of Credits of all Courses in the Semester}}$,i.e. $[\sum(P_i \times C_i)/\sum C_i]$; {where P_i =numerical grade point obtained in the ith course, C_i = credit in the corresponding course, (i=1 to n, n = 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.

$CGPA = \frac{\text{Sum of Credit Points of all Courses in all 6 Semesters}}{\text{Sum of Credits of all Courses in all 6 Semesters}}$ i.e. $[\sum(SGPA_j \times C_j)/\sum C_j]$; {where $SGPA_j$ is the SGPA of the jth Semester (j= 1 to 6) and C_j is the total credit of the jth 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:

    (A) 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.

    (B) 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 pursing 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 pursing 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 ≤ P ≤ 100	A++	9.0 - 10.0
80 ≤ P < 90	A+	8.0 - 8.9
70 ≤ P < 80	A	7.0 - 7.9
60 ≤ P < 70	B+	6.0 - 6.9
50 ≤ P < 60	B	5.0 - 5.9
40 ≤ P < 50	C+	4.0 - 4.9
30 ≤ 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:

    i. 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.

    ii. 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.

    iii. 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-excamination of answer scripts of theoretical component(s) only (excluding the Courses answered through OMR) of not more than two courses provided

    i. The candidate appeared in all courses in the Semester Examination, and

    ii. 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.