

Appendix-A

- Examination Scheme under C.B.C.S. for the subject other than Mathematics, Biotechnology and Computer Science in the faculty of Science

M.Sc. Part-I
Semester-I

SA-Subject abbreviation; C-Core; E- Elective

| Sl.No. | Paper / Course Code | Theory | | | | Practical | | | |
|--------|---------------------|----------------------|----------------------------------|---------------------|----------------------------------|---|---------------------|-------------------------------|--|
| | | Max. Marks (Credits) | Min. Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Max. Marks (Credit) | Min. Marks (Min. Grade Point) | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 1 | ISA-1 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 2 | ISA-2 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 3 | ISA-3 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 4 | ISA-4 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 5 | ISA-5 Lab-I | — | — | — | — | — | 100 (03) | 40 (04) | |
| 6 | ISA-6 Lab-II | — | — | — | — | — | 100 (03) | 40 (04) | |

Total Marks : 600; Minimum Total Credits : 26

- Note :-** (1) If the student has scored minimum marks or minimum grade points mentioned in Column No.8 out of the sum of total marks of theory and internal assessment taken together then he/she will be declared to have cleared with (04+01) 05 credits.
- (2) If the student has scored minimum marks or minimum grade points in either theory or in internal assessment then he/she will be declared to have cleared in that particular head.

Appendix-B

Examination Scheme under C.B.C.S. for the subject other than Mathematics, Biotechnology and Computer Science in the faculty of Science

M.Sc. Part-I
Semester-II

SA-Subject abbreviation; C-Core; E- Elective; GIC-General Interest Course

| Sl.No. | Paper / Course Code | Theory | | | | Practical | | | |
|--------|-------------------------|----------------------|----------------------------------|---------------------|----------------------------------|---|---------------------|-------------------------------|--|
| | | Max. Marks (Credits) | Min. Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Max. Marks (Credit) | Min. Marks (Min. Grade Point) | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 1 | 2SA-1 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 2 | 2SA-2 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 3 | 2SA-3 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 4 | 2SA-4 E Or and/or GIC-X | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | |
| 5 | 2SA-5 Lab-III | — | — | — | — | — | 100 (03) | 40 (04) | |
| 6 | 2SA-6 Lab-IV | — | — | — | — | — | 100 (03) | 40 (04) | |

Total Marks : 600; Minimum Total Credits : 26

- Note :-** (1) If the student has scored minimum marks or minimum grade points mentioned in Column No.8 out of the sum of total marks of theory and internal assessment taken together then he/she will be declared to have cleared with (04+01) 05 credits.
- (2) If the student has scored minimum marks or minimum grade points in either theory or in internal assessment then he/she will be declared to have cleared in that particular head.

Examination Scheme under C.B.C.S. for the subject other than Mathematics, Biotechnology and Computer Science in the faculty of Science

**M.Sc. Part-II
Semester-III**

SA-Subject abbreviation; C-Core; E-Elctive; GIC-General Interest Course

| Sl.No. | Paper / Course Code | Theory | | | | | Practical | | | |
|--------|-----------------------|----------------------|----------------------------------|---------------------|----------------------------------|---|---------------------|---|-------------------------------------|--|
| | | Max. Marks (Credits) | Min. Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Max. Marks (Credit) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Min. Marks marks (Min. Grade Point) | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 1 | 3SA-1 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 2 | 3SA-2 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 3 | 3SA-3 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 4 | 3SA-4 Or 3GIC-Y | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 5 | 3SA-5 | — | — | — | — | — | 100 (03) | 40 (04) | | |
| 6 | 3SA-6 | — | — | — | — | — | 100 (03) | 40 (04) | | |

Total Marks : 600; Minimum Total Credits : 26

Note :- (1) If the student has scored minimum marks or minimum grade points mentioned in Column No.8 out of the sum of total marks of theory and internal assessment taken together then he/she will be declared to have cleared that (04+01) 05 credits.

(2) If the student has scored minimum marks or minimum grade points in either theory or in internal assessment then he/she will be declared to have cleared in that particular head.

Examination Scheme under C.B.C.S. for the subject other than Mathematics, Biotechnology and Computer Science in the faculty of Science

**M.Sc. Part-II
Semester-IV**

SA-Subject abbreviation; C-Core; E-Elctive; GIC-General Interest Course

| Sl.No. | Paper / Course Code | Theory | | | | | Practical | | | |
|--------|-----------------------|----------------------|----------------------------------|---------------------|----------------------------------|---|---------------------|---|-------------------------------------|--|
| | | Max. Marks (Credits) | Min. Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Max. Marks (Credit) | Th + Int. Ass. Min. Pass Mar. (Grade Pt.) | Min. Marks marks (Min. Grade Point) | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 1 | 4SA-1 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 2 | 4SA-2 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 3 | 4SA-3 | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 4 | 4SA-4 Or 4GIC-Z | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) | — | — | | |
| 5 | 4SA-5 | — | — | — | — | — | 100 (03) | 40 (04) | | |
| 6 | 4SA-6 | — | — | — | — | — | 100 (03) | 40 (04) | | |

Total Marks : 600; Minimum Total Credits : 26

Note :- (1) If the student has scored minimum marks or minimum grade points mentioned in Column No.8 out of the sum of total marks of theory and internal assessment taken together then he/she will be declared to have cleared with (04+01) 05 credits.

(2) If the student has scored minimum marks or minimum grade points in either theory or in internal assessment then he/she will be declared to have cleared in that particular head.

Examination Scheme under C.B.C.S. for the subject
Mathematics in the faculty of Science

M.Sc. Part-I
Semester-I

| Sr.No. | Paper / Code | Course | Theory | | | | |
|--------|--------------|--------|----------------------|--------------------------------|---------------------|---------------------------------|---|
| | | | Max. Marks (Credits) | Min Pass Marks (Min. Grade Pt) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt) | Th + Int. Ass. Min. Pass Mar (Grade Pt) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 1MTH-1 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 2 | 1MTH-2 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 3 | 1MTH-3 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 4 | 1MTH-4 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 5 | 1MTH-5 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| | | | 400 (20) | | 100 (05) | | |

Total Marks : 500; Total Credits : 25

- Note :- (1) If the student score Minimum Marks or Minimum Grade Points mentioned in Column No.8 out of the sum total marks of theory and internal assessment taken together then he/she will be declared to have clear (04+01) 05 credits.
- (2) If the student score Minimum Marks or Minimum Grade Points in either theory or internal assessment then he/she will be declared to have clear either of the head.

Examination Scheme under C.B.C.S. for the subject
Mathematics in the faculty of Science

M.Sc. Part-I
Semester-II

| Sr.No. | Paper / Code | Course | Theory | | | | |
|--------|---------------|------------|----------------------|--------------------------------|---------------------|---------------------------------|---|
| | | | Max. Marks (Credits) | Min Pass Marks (Min. Grade Pt) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt) | Th + Int. Ass. Min. Pass Mar (Grade Pt) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 2MTH-1 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 2 | 2MTH-2 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 3 | 2MTH-3 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 4 | 2MTH-4 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 5 | 2MTH-5 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| | and/or 2OIC-X | and/or OIC | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| | | | 400 (20) | | 100 (05) | | |

Total Marks : 500; Total Credits : 25

- Note :- (1) If the student score Minimum Marks or Minimum Grade Points mentioned in Column No.8 out of the sum total marks of theory and internal assessment taken together then he/she will be declared to have clear (04+01) 05 credits.
- (2) If the student score Minimum Marks or Minimum Grade Points in either theory or internal assessment then he/she will be declared to have clear either of the head.

Examination Scheme under C.B.C.S. for the subject
Mathematics in the faculty of Science

M.Sc. Part-II

Semester-III

| Sr.No. | Paper / Code | Course | Theory | | | | |
|--------|----------------------|--------------|----------------------|---------------------------------|---------------------|----------------------------------|--|
| | | | Max. Marks (Credits) | Min Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar (Grade Pt.) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 3MTH-1 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 2 | 3MTH-2 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 3 | 3MTH-3 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 4 | 3MTH-4 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 5 | 3MTH-5 and/or 3GIC-Y | E and/or GIC | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| | | | 400 (20) | | 100 (05) | | |

Total Marks : 500; Min.Total Credits : 25

Note :- (1) If the student score Minimum Marks or Minimum Grade Points mentioned in Column No.8 out of the sum total marks of theory and internal assessment taken together then he/she will be declared to have clear (04+01) 05 credits.

(2) If the student score Minimum Marks or Minimum Grade Points in either theory or internal assessment then he/she will be declared to have clear either of the head.

Examination Scheme under C.B.C.S. for the subject
Mathematics in the faculty of Science

M.Sc. Part-I

Semester-IV

| Sr.No. | Paper / Code | Course | Theory | | | | |
|--------|-------------------------------------|-----------------------------|----------------------|---------------------------------|---------------------|----------------------------------|--|
| | | | Max. Marks (Credits) | Min Pass Marks (Min. Grade Pt.) | Int. Ass. (Credits) | Min. Pass Marks (Min. Grade Pt.) | Th + Int. Ass. Min. Pass Mar (Grade Pt.) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 4MTH-1 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 2 | 4MTH-2 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 3 | 4MTH-3 | C | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 4 | 4MTH-4 | E | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| 5 | 4MTH-5 and/or 4GIC-2 and/or Project | E and/or GIC and/or Project | 80 (04) | 32 (04) | 20 (01) | 08 (04) | 40 (04) |
| | | | 400 (20) | | 100 (05) | | |

Total Marks : 500; Min.Total Credits : 25

Note :- (1) If the student score Minimum Marks or Minimum Grade Points mentioned in Column No.8 out of the sum total marks of theory and internal assessment taken together then he/she will be declared to have clear (04+01) 05 credits.

(2) If the student score Minimum Marks or Minimum Grade Points in either theory or internal assessment then he/she will be declared to have clear either of the head.

For Computer Science

| Course | Credits | | | | Total |
|-------------|---------|--------|---------|--------|-------|
| | Sem-I | Sem-II | Sem-III | Sem-IV | |
| Core | 25 | 20 | 15 | 10 | 70 |
| Elective | - | 05 | 05 | 05 | 15 |
| GIC | - | - | 05 | - | 05 |
| Lab. Course | 06 | 06 | 06 | 03 | 22 |
| I.A. | - | - | - | 02 | 02 |
| Project | - | - | - | 04/02 | 06 |
| Total | 31 | 31 | 31 | 26 | 119 |

IX. Grade Awards :-

- (i) A seven point rating scale is used for the evaluation of the performance of the student to provide letter grade for each course and overall grade for the Master's Programme. Grade points are based on the total number of marks obtained by him/her in all the heads of examination of the course. These grade points and their equivalent range of marks are shown separately in Table-I. The performance of the student in theory, practical, internal assessment, subjects shall be evaluated in accordance with following Table-I.

TABLE-I

| Grade | Range of Marks obtained out of 100 or Equivalent fraction | Grade Points | Remarks (Not to be displayed On transcripts) |
|-------|---|--------------|---|
| O | 90-100 | 10 | Outstanding |
| A+ | 80-89 | 9 | Excellent |
| A | 70-79 | 8 | Very Good |
| B+ | 60-69 | 7 | Good |
| B | 55-59 | 6 | Fair |
| C+ | 50-54 | 5 | Average |
| C | 40-49 | 4 | Below Average |
| F | Below 40 | 0 | Fail |

TABLE-II: Final Grade Points for SGPA and CGPA

| Grade Points | Final Grade | Remarks (Not to be displayed On transcripts) |
|--------------|-------------|---|
| 9.00-10.00 | O | Outstanding |
| 8.00 - 8.99 | A+ | Excellent |
| 7.00-7.99 | A | Very Good |
| 6.00-6.99 | B+ | Good |
| 5.50 - 5.99 | B | Fair |
| 5.00 - 5.49 | C+ | Average |
| 4.00 - 4.99 | C | Below Average |

Equivalence of the conventional division/class with the CGPA is in accordance with the following table no. 4.

Table III. Equivalence of Class/Division to CGPA

| Sr.No. | CGPA | Class/Division |
|--------|---------------------------------|------------------------------|
| 1 | 8.00 or more | First Class - Exemplary |
| 2 | 7.50 or more but less than 8.00 | First Class with Distinction |
| 3 | 6.00 or more but less than 7.49 | First Class |
| 4 | 5.50 or more but less than 5.99 | Higher Second Class |
| 5 | 4.00 or more but less than 5.49 | Second Class |
| 6 | Less than 4.00 | Fail |

The overall performance of a student is evaluated by assigning appropriate weightage to all the *four* semesters in order to maintain the quality of education. A student is permitted to appear for the semester examination subject to he or she has a minimum attendance of 75% in theory and practical classes, completes all his/her internal/sessional assignments and clears all his/her dues. Non appearance in any examination is treated as the student having secured zero mark in that subject examination.

The evaluation is based on an average weightage system. Every subject has credit points based on the hours of study required. Every student is assessed in a subject with appropriate weightage to internal/sessional work and semester examination, thereby making the students study regularly. Every student is awarded Grade points out of maximum 10 points in each subject (based on 7 Points Scale). Based on the Grade points obtained in each subject, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) are computed.