

MADHYA PRADESH BHOJ (OPEN) UNIVERSITY

ORDINANCE No. 40

M.Sc. COMPUTATIONAL MATHEMATICS

Objective : This programme is in continuation of the three years Bachelor degree programme to cater to the need of those who wish to enhance and upgrade their knowledge, skill, and qualification. A candidate who has passed B.Sc. Mathematics or Computer Science, Electronics, or B.C.A. or any other equivalent examination of any recognized institution or University shall be eligible for admission.

Programme Structure: The duration of the M.Sc. Computational Mathematics degree programme will be two years, consisting of 8 courses. There will be 4 courses in each year. Each course will be of 100 marks (or 24 credits).

Programme Delivery : The course design, course contents, counseling, programme structure, etc. would be decided by the academic council of the University from time to time and shall be in accordance with the Distance Education Council norms.

The delivery of the courses will consist of course support material, assignments, contact classes, library consultation, etc. A minimum of 60% of attendance in contact classes, submission of at least one assignment per course will be necessary condition for the eligibility of a candidate to appear in term end examination.

Evaluation System : System of evaluation in each course will consists of two components : (i) continuous internal assessment with 30% weightage and (ii) Term-end Examination with 70% weightage. For each course with only theory component 30 marks will be allotted for internal assessment in the form of internal assessment (through tests) and assignment while 70 marks will be allotted for the Term End Examination. For courses with both the theory and practical components 20 marks will be allotted for continuous internal assessment in theory part and 10 for the continuous assessment for practical component. 50 marks will be allotted for the Term End theory Examination and 20 marks for the term end practical examination.

During the Final year, the candidates will be required to do a project work based on their study/field work/industrial training. 150 marks will be allotted for the assessment of the project work submitted by the student and 50 marks will be allotted for the performance in the viva-voce examination.

For continuous study and internal assessment, there will be two Tutor Marked Assignments (TMA) for each course. The average score in these assignments will be taken into account for the purpose of preparation of results.

Minimum pass marks which an examinee must obtain in each subject shall be (i) 36% in each theory paper (ii) 40% in each assignment test (iii) 40% in each practical/laboratory test/viva voce examination/project evaluation, if any. Out of the marks assigned for each practicals 20% marks are assigned for viva-voce and 10% for sessionals. If there is any project, then from the marks assigned for it 30% shall be for internal evaluation, 70% for external evaluation and 33% for viva voce on the project work. Student shall be declared successful, if in addition to above, he/she obtains 40% marks in aggregate taken of all theory and practical papers and sessionals.

Only those candidates, who are successful in all the four courses of the first year shall be eligible for admission to the second year. Candidates who successfully complete the remaining 4 courses also in the second year will qualify for the award of M.Sc. Computational Mathematics degree. The candidates, who are not successful in the first or second year shall have to cover all the components of the first or second year a fresh both in TMA and Term-end Examination.

The candidates securing overall 60% or more marks will be placed in first division, those securing overall 50% or more but less than 60% marks will be placed in second division and those securing 40% or more but less than 50% in the third division.

Following the pattern of MCA/M.Sc Computer Science Programme of IGNOU, this programme shall be offered in Distance Mode.