

# MADHYA PRADESH BHOJ (OPEN) UNIVERSITY

## ORDINANCE No. 41

### M.Sc. COMPUTATIONAL PHYSICS

**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. Physics or Computer Science or 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 Physics 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 (24 credits). Besides, there shall be two laboratory courses one in previous and another in final year with 100 marks each year. There will be a project work based on the industrial training/work done at some National Research Organization. The project work will be of 150 marks and viva voce of 50 marks.

**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 study 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 theory course, 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.

During the Final year, the candidates will be required to give a project work based on their study. 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. Out of the marks assigned for each practicals 20% marks are assigned for viva-voce and 10% for sessionals. If project is there, then from the marks assigned for it 30% shall be for internal evaluation and 70% for external evaluation. The 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 together.

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 Physics degree. Students 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 will be offered in Distance Mode.