

**Department of Physics**  
**University of Mumbai**



Application Form to continue enrollment to M.Sc. II (Semester III & IV) programme

To

The Head,  
Department of Physics,  
University of Mumbai,  
Vidyanagari,  
Mumbai-400098.

Dear Sir,

I would like to continue my enrollment to M.Sc. II (Semester III & IV) programme in the Department of Physics. I have paid Rs. \_\_\_\_\_ as my tuition fees and other fees for the first semester of the academic year \_\_\_\_\_, vide Chalan No. \_\_\_\_\_ dated \_\_\_\_\_. I give below the necessary particulars which I declare to be true.

Yours sincerely,

Place: Mumbai

Date : \_\_\_\_\_

Signature, of candidate

**Personal Details**

Name in full (beginning with surname) : \_\_\_\_\_

Male or Female : \_\_\_\_\_ Married or unmarried : \_\_\_\_\_

Race and Religion : \_\_\_\_\_ Reservation Category (SC/ST/NT/OBC etc) \_\_\_\_\_

Father's/Guardian's Name and Occupation : \_\_\_\_\_

Dale of birth : \_\_\_\_\_ Age : \_\_\_\_\_

Local address : \_\_\_\_\_

Telephone No. (Res.) \_\_\_\_\_ (Mobile.) \_\_\_\_\_

Email: \_\_\_\_\_

Permanent Home (Native) address: \_\_\_\_\_

\_\_\_\_\_ Telephone (at native place): \_\_\_\_\_

Provisional Eligibility Case No. & Date : \_\_\_\_\_

(Only for other University student)

College & University from which you have passed B Sc: \_\_\_\_\_

Percentage at M Sc -I \_\_\_\_\_ Percentage at B Sc \_\_\_\_\_

No. of KTs in Sem-I \_\_\_\_\_ and Sem-II. \_\_\_\_\_ Have you obtained the B.Sc. degree certificate? \_\_\_\_\_

Whether the applicant is the recipient of U.G.C./Departmental Scholarship and other Free ships & Scholarships \_\_\_\_\_

Are you employed? If so give details : \_\_\_\_\_

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Electives offered to the candidate (to be filled by Office): 1) \_\_\_\_\_

2) \_\_\_\_\_ 3) \_\_\_\_\_

4) \_\_\_\_\_

**Head, Department of Physics**



### Semester III

|                | Elective-1   |   |        | Elective-2   |  |        |
|----------------|--------------|---|--------|--------------|--|--------|
|                | Theory Paper | Subjects                                      | Choice | Theory Paper | Subjects   | Choice |
| NP             | PSPHET301    | Nuclear Structure                             |        | PSPHET302    | Nuclear Reactions  |        |
| SSP            | PSPHET303    | Electronic structure of solids                |        | PSPHET304    | Surfaces and Thin Films                                      |        |
| E1             | PSPHET305    | Microcontrollers and Interfacing              |        | PSPHET306    | Embedded systems and RTOS                                    |        |
| E2             | PSPHET307    | Signal Modulation and Transmission Techniques |        | PSPHET308    | Microwave Electronics, Radar and Optical Fiber Communication |        |
| SSE            | PSPHET309    | Semiconductor Physics                         |        | PSPHET310    | Thin Film Physics and Techniques                             |        |
| Mat for Energy | PSPHET311    | Fundamentals of Materials Science             |        | PSPHET312    | Nanoscience & Nanotechnology                                 |        |

### Semester IV

|                | Elective-3   |  |        | Elective-4   |                                  |        |
|----------------|--------------|--|--------|--------------|----------------------------------|--------|
|                | Theory Paper | Subjects   | Choice | Theory Paper | Subjects                         | Choice |
| NP             | PSPHET401    | Experimental Techniques in Nuclear Physics           |        | PSPHET402    | Particle Physics                 |        |
| SSP            | PSPHET403    | Crystalline & Non-crystalline solids                 |        | PSPHET404    | Properties of Solids             |        |
| E1             | PSPHET405    | Advanced Microprocessor and ARM-7                    |        | PSPHET406    | VHDL and communication Interface |        |
| E2             | PSPHET407    | Digital Communication Systems and Python Programming |        | PSPHET408    | Computer Networking              |        |
| SSE            | PSPHET409    | Physics of Semiconductor Devices                     |        | PSPHET410    | Semiconductor Technology         |        |
| Mat for Energy | PSPHET411    | Materials and their applications                     |        | PSPHET412    | Energy Studies                   |        |