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|  <p>Estd. 1962<br/>"A"" Accredited by<br/>NAAC(2021)<br/>With CGPA 3.52</p> | <p>SHIVAJI UNIVERSITY, KOLHAPUR - 416004,<br/>MAHARASHTRA<br/>PHONE : EPABX – 2609000,<br/>www.unishivaji.ac.in, <a href="mailto:bos@unishivaji.ac.in">bos@unishivaji.ac.in</a><br/>शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४, महाराष्ट्र<br/>दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दूरध्वनी विभाग २३१-२६०९०९३/९४</p> |  |
|--|---|---|

SU/BOS/Science/ 104

Date: 03 / 12 / 2022

To,  
The Principal,  
All Affiliated Concerned Science Colleges/Institutions  
Shivaji University, Kolhapur.

**Subject :-** Regarding syllabi of **B. Sc. - M. Sc. Part V and M. Sc. Part II Nanoscience and Technology** degree programme under the Faculty of Science and Technology .

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi and Nature of question paper of **B. Sc. - M. Sc. Part V and M. Sc. Part II** Nanoscience and Technology under the Faculty of Science and Technology .

| Sr. No. | BOS            | Syllabus Name  |
|---------|----------------|--|
| 1       | <b>Physics</b> | 1) B. Sc.- M. Sc. In Nanoscience and Technology (5 Year Integrated) Programme Part V ( Sem IX-X) |
|         |                | 2) M. Sc. Nanoscience and Technology, Programme, Part II (Sem III - IV)                          |

This syllabi and nature of question paper shall be implemented from the Academic Year **2022-2023** onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website [www.unishivaji.ac.in](http://www.unishivaji.ac.in) (students Online Syllabus)

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

  
Dy Registrar

Copy to:

|   |  |    |                            |
|---|--|----|----------------------------|
| 1 | The Dean, Faculty of Science & Technology      | 7  | Appointment Section        |
| 2 | Director, Board of Examinations and Evaluation | 8  | P.G.Seminar Section        |
| 3 | The Chairman, Respective Board of Studies      | 9  | Computer Centre ( I.T.)    |
| 4 | B.Sc. Exam                                     | 10 | Affiliation Section (U.G.) |
| 5 | Eligibility Section                            | 11 | Affiliation Section (P.G.) |
| 6 | O.E. I Section                                 | 12 | P.G.Admission Section      |

# **Shivaji University, Kolhapur**



**B. Sc.-M. Sc. in Nanoscience and Technology,  
(5 Years Integrated) Programme, Part V  
under CBCS Pattern**

To be implemented from the academic year 2022-23

**Shivaji University, Kolhapur,  
School of Nanoscience and Technology,  
B. Sc. - M. Sc. in Nanoscience and Technology, (5 Years Integrated)  
Programme, Part-V, under CBCS Pattern (2022-23)**

**B. Sc. - M. Sc. in Nanoscience and Technology,  
(5 Years Integrated) Programme, Part V, Semester-IX**

| Sr. No. | Paper Code | Title of the Paper                        | Credits | Examination Scheme (Practical) |         |
|---------|------------|---|---------|--------------------------------|---------|
|         |            |   |         | Maximum                        | Minimum |
| 1       | CP-13      | Research project and Dissertation Phase I | 8       | 200                            | 70      |
| 2       | CP-14      | Seminar based on project work- I          | 2       | 100                            | 35      |
| Total   |            |   | 10      | 300                            | 120     |

**B. Sc. - M. Sc. in Nanoscience and Technology,  
(5 Years Integrated) Programme, Part V, Semester-X**

| Sr. No. | Paper Code | Title of the Paper                         | Credits | Examination Scheme (Practical) |         |
|---------|------------|--|---------|--------------------------------|---------|
|         |            |  |         | Maximum                        | Minimum |
| 1       | CP-15      | Research project and Dissertation Phase II | 8       | 200                            | 70      |
| 2       | CP-16      | Seminar based on project work- II          | 2       | 100                            | 35      |
| Total   |            |  | 10      | 300                            | 120     |

# **Shivaji University, Kolhapur**



**M. Sc. in Nanoscience and Technology,  
Programme, Part II  
under CBCS Pattern**

To be implemented from the academic year 2022-23

**Shivaji University, Kolhapur,  
School of Nanoscience and Technology,  
M. Sc. in Nanoscience and Technology, Part-II,  
under CBCS Pattern (2022-23)**

**M. Sc. in Nanoscience and Technology,  
Part II, Semester-III**

| Sr. No. | Paper Code | Title of the Paper                        | Credits | Examination Scheme (Practical) |         |
|---------|------------|---|---------|--------------------------------|---------|
|         |            |   |         | Maximum                        | Minimum |
| 1       | CP-13      | Research project and Dissertation Phase I | 8       | 200                            | 70      |
| 2       | CP-14      | Seminar based on project work- I          | 2       | 100                            | 35      |
| Total   |            |   | 10      | 300                            | 120     |

**M. Sc. in Nanoscience and Technology,  
Part II, Semester-IV**

| Sr. No. | Paper Code | Title of the Paper                         | Credits | Examination Scheme (Practical) |         |
|---------|------------|--|---------|--------------------------------|---------|
|         |            |  |         | Maximum                        | Minimum |
| 1       | CP-15      | Research project and Dissertation Phase II | 8       | 200                            | 70      |
| 2       | CP-16      | Seminar based on project work- II          | 2       | 100                            | 35      |
| Total   |            |  | 10      | 300                            | 120     |