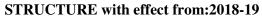


## SARDAR PATEL UNIVERSITY

**Programme : MSC** 

## (Under the Choice based Credit Scheme)







## PHYSICAL CHEMISTRY

| Course Type              | Course Code | Course Title   | T/P | Credit | Hours<br>Per<br>Week | Internal<br>Marks | External<br>Marks | Total<br>Marks |
|--------------------------|-------------|--|-----|--------|----------------------|-------------------|-------------------|----------------|
| Core Course              | PS04CPHC21  | Atomic Spectroscopy and Microscopic Techniques                 | Т   | 4      | 4 hrs                | 30/10             | 70/28             | 100/40         |
|                          | PS04CPHC22  | Chemistry of Solid Materials                                   | T   | 4      | 4 hrs                | 30/10             | 70/28             | 100/40         |
|                          | PS04CPHC23  | Electro-analytical Methods                                     | Т   | 4      | 4 hrs                | 30/10             | 70/28             | 100/40         |
| Core Course<br>(Any one) | PS04CPHC24  | Practicals : Polymer Synthesis by Various Techniques <b>OR</b> | P   | 4      | 8 hrs                | 30/10             | 70/28             | 100/40         |
|                          | PS04CPHC25  | Project work*  | P   | 4      | 8 hrs                | 30/10             | 70/28             | 100/40         |
| Core Course<br>(Any one) | PS04CPHC26  | Practicals : Polymer Characterization <b>OR</b>                | P   | 4      | 8 hrs                | 30/10             | 70/28             | 100/40         |
|                          | PS04CPHC27  | Project work*  | P   | 4      | 8 hrs                | 30/10             | 70/28             | 100/40         |
| Core Course              | PS04CPHC28  | Comprehensive Viva   |     | 1      | 1 hrs                | -                 | 50/20             | 50/20          |
| Elective Course          | PS04EPHC21  | Photochemistry and Energy Systems                              | T   | 4      | 4 hrs                | 30/10             | 70/28             | 100/40         |
| (Any one)                | PS04EPHC22  | Advanced Characterization Techniques-II                        | T   | 4      | 4 hrs                | 30/10             | 70/28             | 100/40         |
|                          |             |  |     |        |                      |                   |                   | 650            |

<sup>\*</sup> **Project work** (as optional) in place of practicals; to be offered to some of the students, based on their merit, interest and placement with the teachers (Marks: 200). The project shall have to be carried out under the allotted teacher(s) and a dissertation shall be submitted and will be assessed for internal (60 marks) and external (140 marks), in the usual manner.