

**VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE**

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: **DIPLOMA IN TECHNICAL CHEMISTRY**

COURSE CODE: **DTC**

DURATION OF COURSE: **6 SEMESTERS**

SEMESTER: **THIRD**

FULL TIME/PART TIME: **FULL TIME**

| SR. NO | SUBJECT TITLE                  | SUBJECT CODE | TEACHING SCHEME |   |    | EXAMINATION SCHEME |     |     |      |       |     |                 |     |     |     |     |    | TOTAL MARKS |
|--------|--------------------------------|--------------|-----------------|---|----|--------------------|-----|-----|------|-------|-----|-----------------|-----|-----|-----|-----|----|-------------|
|        |                                |              | L               | T | P  | PAPER HRS          | TH  |     | TEST | TOTAL |     | P               |     | OR  |     | TW  |    |             |
|        |                                |              |                 |   |    |                    | Max | Min |      | Max   | Min | Max             | Min | Max | Min |     |    |             |
| 1      | Basics of Spinning             | 135TM31      | 3               | - | 2  | 3                  | 80  | 32  | 20   | 100   | 40  |                 |     | -   | -   | 50  | 20 | 150         |
| 2      | Basics of Manmade Fibers       | 135CH32      | 4               | - | -  | 3                  | 80  | 32  | 20   | 100   | 40  | -               | -   | -   | -   | -   | -  | 100         |
| 3      | Physical Chemistry             | 135CH33      | 3               | - | 3  | 3                  | 80  | 32  | 20   | 100   | 40  | 50 <sup>@</sup> | 20  | -   | -   | 25  | 10 | 175         |
| 4      | Industrial Chemistry           | 135CH34      | 3               | - | 3  | 3                  | 80  | 32  | 20   | 100   | 40  | 50 <sup>@</sup> | 20  | -   | -   | 25  | 10 | 175         |
| 5      | Introduction to Natural Fibers | 135CH35      | 4               | - | -  | 3                  | 80  | 32  | 20   | 100   | 40  | -               | -   | -   | -   | -   | -  | 100         |
| 6      | Development of Life Skills     | 135HM36      | -               | - | 2  | -                  | -   | -   | -    | -     | -   | -               | -   | -   | -   | 25  | 10 | 25          |
| 7      | Professional practices *       | 135CH37      | -               | 2 | -  | -                  | -   | -   | -    | -     | -   | -               | -   | -   | -   | 25  | 10 | 25          |
| 8      | Student Centered Activity/Test |              | -               | - | 2  | -                  | -   | -   | -    | -     | -   | -               | -   | -   | -   | -   | -  | -           |
|        | <b>TOTAL</b>                   |              | 17              | 2 | 12 | -                  | 400 | -   | 100  | 500   | -   | 50              | -   | -   | -   | 150 | -  | 750         |

Student Contact Hours per week (Formal Teaching): 29 Hours + 2 Hours Student Centered Activity/test

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 750

Abbreviations : L- Lecture, T – Tutorials, P – Practical, TH –Theory, OR – Oral, TW- Term work

All practical, Oral & Term work assessment are to be done as per the prevailing norms implementation & assessment

\* Lab Safety

External Examiner allotted for all theory, practical and oral examinations except marked @ where external examiner is not required.