

**A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS) KAKINADA – 533  
002, EAST GODAVARI, A.P.**

**CHEMISTRY COURSE STRUCTURE – 2019-20 (w.e.f. 2017-18)**

| Semester                                  | Course code | Course Title                               | Hrs./ Week | Credits | Max. Marks |      |       |
|---|-------------|--|------------|---------|------------|------|-------|
|   |             |  |            |         | Int        | Ext  | Total |
| <b>FIRST YEAR</b>                         |             |  |            |         |            |      |       |
| I   | CHE 1303    | INORGANIC & ORGANIC CHEMISTRY - I          | 4          | 3       | 25         | 75   | 100   |
|   | CHE 1303P   | LABORATORY COURSE - I                      | 3          | 2       | 0          | 50   | 50    |
| II  | CHE 2303    | PHYSICAL & GENERAL CHEMISTRY - II          | 4          | 3       | 25         | 75   | 100   |
|   | CHE 2303P   | LABORATORY COURSE - II                     | 3          | 2       | 0          | 50   | 50    |
| <b>SECOND YEAR</b>                        |             |  |            |         |            |      |       |
| III                                       | CHE 3303    | INORGANIC & ORGANIC CHEMISTRY - III        | 4          | 3       | 25         | 75   | 100   |
|   | CHE 3303P   | LABORATORY COURSE - III                    | 3          | 2       | 0          | 50   | 50    |
| IV  | CHE 4303    | SPECTROSCOPY & PHYSICAL CHEMISTRY - IV     | 4          | 3       | 25         | 75   | 100   |
|   | CHE 4303P   | LABORATORY COURSE - IV                     | 3          | 2       | 0          | 50   | 50    |
| <b>THIRD YEAR</b>                         |             |  |            |         |            |      |       |
| V   | CHE 5301    | INORGANIC, ORGANIC & PHYSICAL CHEMISTRY-V  | 3          | 3       | 25         | 75   | 100   |
|   | CHE 5301P   | Laboratory Course - V                      | 3          | 2       | 0          | 50   | 50    |
|   | CHE 5302    | INORGANIC, ORGANIC & PHYSICAL CHEMISTRY-VI | 3          | 3       | 25         | 75   | 100   |
|   | CHE 5302P   | Laboratory Course - VI                     | 3          | 2       | 0          | 50   | 50    |
| VI<br>* Any one Paper from VII A, B and C | VII (A)*    | Elective                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | Practical - VII A                          | 3          | 2       | 0          | 50   | 50    |
|   | VII (B)*    | Elective                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | Practical - VII B                          | 3          | 2       | 0          | 50   | 50    |
|   | VII (C)*    | Elective                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | Practical - VII C                          | 3          | 2       | 0          | 50   | 50    |
| ** Any one cluster from VIII, A, B and C  | VIII (A)**  | <b>Cluster Electives - I :</b>             |            |         |            |      |       |
|   |             | VIII-A-1                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | VIII-A-2                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | VIII-A-3                                   | 3          | 3       | 25         | 75   | 100   |
|   |             |  | 3          | 2       | 0          | 50   | 50    |
|   |             |  | 3          | 2       | 0          | 50   | 50    |
|   | VIII (B)**  | <b>Cluster Electives - II ::</b>           |            |         |            |      |       |
|   |             | VIII-B-1                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | VIII- B-2                                  | 3          | 3       | 25         | 75   | 100   |
|   |             | VIII-B-3                                   | 3          | 3       | 25         | 75   | 100   |
|   |             |  | 3          | 2       | 0          | 50   | 50    |
|   |             |  | 3          | 2       | 0          | 50   | 50    |
|   | VIII (C)**  | <b>Cluster Electives - III ::</b>          |            |         |            |      |       |
|   |             | VIII-C-1                                   | 3          | 3       | 25         | 75   | 100   |
|   |             | VIII-C-2                                   | 3          | 3       | 25         | 75   | 100   |
| VIII-C-3                                  |             | 3  | 3          | 25      | 75         | 100  |       |
|   |             | 3  | 2          | 0       | 50         | 50   |       |
|   |             | 3  | 2          | 0       | 50         | 50   |       |
| <b>TOTAL</b>                              |             |  | 73         | 50      | 250        | 1250 | 1500  |