

**Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur**

**Faculty of Engineering & Technology**

**CIVIL ENGINEERING**

**Scheme of Examination & Evaluation**

**Semester: Fifth**

| Subject Code     | Course                                      | Teaching Scheme (Clock Hours/ Week ) |                   |                    |                |           | Evaluation Scheme              |                 |             |            |                                    |            |             |            | Duration of University Theory Exam (Hrs) |
|------------------|---|--------------------------------------|-------------------|--------------------|----------------|-----------|--------------------------------|-----------------|-------------|------------|------------------------------------|------------|-------------|------------|--|
|                  |   | Theory hrs/week                      | Tutorial hrs/week | Practical hrs/week | Total hrs/week | Credits   | Assessment of Marks for Theory |                 |             |            | Assessment of Marks for Practicals |            |             |            |  |
|                  |   |                                      |                   |                    |                |           | College Assessment (CA)        | University Exam | Total Marks | Min. Marks | Internal                           | External   | Total Marks | Min. Marks |  |
| <b>BECVE501T</b> | Structural Analysis -II                     | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE501P</b> | Structural Analysis -II                     |                                      |                   | 2                  | 2              | 1         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE502T</b> | Reinforced Cement Concrete (RCC) Structures | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 4  |
| <b>BECVE502P</b> | Reinforced Cement Concrete (RCC) Structures |                                      |                   | 2                  | 2              | 1         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE503T</b> | Fluid Mechanics -I                          | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE503P</b> | Fluid Mechanics -I                          |                                      |                   | 2                  | 2              | 1         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE504T</b> | Geotechnical Engineering -II                | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE505T</b> | Hydrology & Water Resources (HWR)           | 4                                    |                   |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE506P</b> | Communicative English & Technical Writing   |                                      |                   | 3                  | 3              | 2         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>Total</b>     |   | <b>16</b>                            | <b>4</b>          | <b>9</b>           | <b>29</b>      | <b>25</b> | <b>100</b>                     | <b>400</b>      | <b>500</b>  |            | <b>100</b>                         | <b>100</b> | <b>200</b>  |            |  |

Note: 1."Technical Writing" shall consist of detailed report on Summer Training- 1 (ST-1) underwent after 4th Semester.

2. Equal weightage shall be given to the components of "Communicative English" and "Technical Writing"

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**Semester: Sixth**

| Subject Code     | Course                       | Teaching Scheme (Clock Hours/ Week ) |                   |                    |                |           | Evaluation Scheme              |                 |             |            |                                    |            |             |            | Duration of University Theory Exam (Hrs) |
|------------------|------------------------------|--------------------------------------|-------------------|--------------------|----------------|-----------|--------------------------------|-----------------|-------------|------------|------------------------------------|------------|-------------|------------|--|
|                  |                              | Theory hrs/week                      | Tutorial hrs/week | Practical hrs/week | Total hrs/week | Credits   | Assessment of Marks for Theory |                 |             |            | Assessment of Marks for Practicals |            |             |            |  |
|                  |                              |                                      |                   |                    |                |           | College Assessment (CA)        | University Exam | Total Marks | Min. Marks | Internal                           | External   | Total Marks | Min. Marks |  |
| <b>BECVE601T</b> | Steel Structures             | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 4  |
| <b>BECVE601P</b> | Steel Structures             |                                      |                   | 2                  | 2              | 1         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE602T</b> | Surveying-II                 | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE602P</b> | Surveying-II                 |                                      |                   | 4                  | 4              | 2         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE603T</b> | Fluid Mechanics -II          | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE603P</b> | Fluid Mechanics -II          |                                      |                   | 2                  | 2              | 1         |                                |                 |             |            | 25                                 | 25         | 50          | 25         |  |
| <b>BECVE604P</b> | Building Design and Drawing  |                                      |                   | 4                  | 4              | 4         |                                |                 |             |            | 50                                 | 50         | 100         | 50         |  |
| <b>BECVE605T</b> | Environmental Engineering-II | 3                                    | 1                 |                    | 4              | 4         | 20                             | 80              | 100         | 40         |                                    |            |             |            | 3  |
| <b>BECVE606P</b> | Site Visit & Mini Project    |                                      |                   | 3                  | 3              | 3         |                                |                 |             |            | 25                                 | 25         | 50          |            |  |
| <b>Total</b>     |                              | <b>12</b>                            | <b>4</b>          | <b>15</b>          | <b>31</b>      | <b>27</b> | <b>80</b>                      | <b>320</b>      | <b>400</b>  |            | <b>150</b>                         | <b>150</b> | <b>300</b>  |            |  |

Summer Training - 2 (ST-2) of 2-4 Weeks duration during Summer Vacation is mandatory and will be evaluated in Seventh Semester.

- Note:**
1. External Practical Evaluation of Building Design and Drawing shall be performance based by drawing assigned problem given jointly by the Internal & External Examiners on AutoCAD
  2. "Site Visit" shall cover minimum Five Site Visits.
  3. "Mini Project" shall include report on Site Visits and Assigned Mini Project/Software Training, etc.
  4. Equal weightage shall be given for components of "Site Visits" and "Mini Project".