# Semester : Second

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | CL | TL | LL | Self Learning (Activity/Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | FA-TH Max | SA-TH Max | Total Max | Min | FA-PR Max | Min | SA-PR Max | Min | SLA Max | Min | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Actual Contact Hrs./Week** | | | | | | | **Theory** | | | | **Based on LL & TL** Practical | | | | **Based on Self Learning** | | |
| **General ( All Courses are Compulsory. ) Compulsory - 7** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | APPLIED MATHEMATICS | AMS | AEC | 312301 | 2 | 3 | 1 | - | - | 4 | 2 | 3 | 30 | 70 | 100 | 40 | - | - | - | - | - | - | 100 |
| 2 | APPLIED SCIENCE | ASC | DSC | 312308 | 4 | 4 | - | 4 | - | 8 | 4 | 1.5 | 30 | 70*# | 100 | 40 | 50 | 20 | 50@ | 20 | - | - | 200 |
| 3 | ENGINEERING MECHANICS | EGM | DSC | 312312 | 2 | 3 | 1 | 2 | 2 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 |
| 4 | BUILDING MATERIAL AND CONSTRUCTION | BMC | DSC | 312338 | 1 | 3 | - | 2 | 3 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 |
| 5 | SURVEYING | SUY | SEC | 312339 | 1 | 3 | - | 4 | 1 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 50# | 20 | 25 | 10 | 200 |
| 6 | PROFESSIONAL COMMUNICATION | PCO | SEC | 312002 | 0 | - | - | 2 | - | 2 | 1 | - | - | - | - | - | 25 | 10 | 25@ | 10 | - | - | 50 |
| 7 | SOCIAL AND LIFE SKILLS | SFS | VEC | 312003 | | - | - | 1 | 1 | 2 | 1 | - | - | - | - | - | 25 | 10 | - | - | 25 | 10 | 50 |
| | **Total** | | | | 10 | 16 | 2 | 15 | 7 | 40 | 20 | | 150 | 350 | 500 | | 175 | | 125 | | 100 | | 900 |

**Abbreviations :** CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment

**Legends :** @ Internal Assessment, # External Assessment, *# On Line Examination , @$ Internal Online Examination

**Note :**

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.

2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.

3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.

4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks

5. 1 credit is equivalent to 30 Notional hrs.

6. * Self learning hours shall not be reflected in the Time Table.

**Course Category :** Discipline Specific Course Core (DSC) : 3, Discipline Specific Elective (DSE) : 0, Value Education Course (VEC) : 1, Intern./Apprenti./Project./Community (INP) : 0, AbilityEnhancement Course (AEC) : 1, Skill Enhancement Course (SEC) : 2, GenericElective (GE) : 0

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | Actual Contact Hrs./Week CL | TL | LL | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | Theory FA-TH Max | SA-TH Max | Total Max | Min | Based on LL & TL Practical FA-PR Max | Min | SA-PR Max | Min | Based on Self Learning SLA Max | Min | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General ( All Courses are Compulsory. ) Compulsory - 7** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ESSENCE OF INDIAN CONSTITUTION | EIC | VEC | 313304 | | 1 | | | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | 50 | 20 | 50 |
| 2 | ADVANCED SURVEYING | ASU | SEC | Course Code Will be Created After Locking Scheme | | 3 | | 4 | 1 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| 3 | HIGHWAY ENGINEERING | HEN | DSC | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 |
| 4 | CONCRETE TECHNOLOGY | CTE | DSC | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| 5 | CONSTRUCTION MANAGEMENT | CMA | DSC | Course Code Will be Created After Locking Scheme | | 1 | | 2 | 1 | 4 | 2 | - | - | - | - | - | 25 | 10 | - | - | 25 | 10 | 50 |
| | | | | Course Code | | | | | | | | | | | | | | | | | | | |

## Semester : Fourth

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | CL | TL | LL | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | FA-TH Max | SA-TH Max | Total Max | Total Min | FA-PR Max | FA-PR Min | SA-PR Max | SA-PR Min | SLA Max | SLA Min | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Learning Scheme — Actual Contact Hrs./Week | | | | | | | Theory | | | | Based on LL & TL — Practical | | | | Based on Self Learning | | |
| **General ( All Courses are Compulsory. ) Compulsory - 7** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | THEORY OF STRUCTURE | TOS | DSC | Course Code Will be Created After Locking Scheme | | 4 | 1 | - | 1 | 6 | 3 | 4 | 30 | 70 | 100 | 40 | - | - | - | - | 25 | 10 | 125 |
| 2 | RAILWAY & BRIDGE ENGINEERING | RBE | DSC | Course Code Will be Created After Locking Scheme | | 4 | | | | 4 | 2 | 3 | 30 | 70 | 100 | 40 | - | - | - | - | - | - | 100 |
| 3 | ENVIROMENTAL EDUCATION AND SUSTAINABILITY | EES | VEC | 314302 | | 3 | - | - | 1 | 4 | 2 | 1.5 | 30 | 70*# | 100 | 40 | - | - | - | - | 25 | 10 | 125 |
| 4 | GEOTECHNICAL ENGINEERING | GTE | DSC | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 3 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| 5 | ESTIMATING & COSTING | EAC | DSC | Course Code Will be Created After Locking Scheme | | 4 | | 4 | | 8 | 3 | 4 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | - | - | 150 |
| 6 | HYDRAULICS | HYD | DSC | 313313 | | 3 | 1 | 2 | 2 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25@ | 10 | 25 | 10 | 175 |

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | CL | TL | LL | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | FA-TH Max | SA-TH Max | Total Max | Min | FA-PR Max | Min | SA-PR Max | Min | SLA Max | Min | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Learning Scheme** | | | | | | | **Assessment Scheme** | | | | | | | | | | | |
| | | | | | | **Actual Contact Hrs./Week** | | | | | | | | **Theory** | | | | **Based on LL & TL / Practical** | | | | **Based on Self Learning** | | |
| General ( GENERAL ) Compulsory - 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | WATER RESOURCE ENGINEERING | WRE | DSC | Course Code Will be Created After Locking Scheme | | 4 | | 2 | - | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | - | - | 125 |
| 2 | EMERGING TRENDS IN CIVIL ENGINEERING | ETC | DSC | Course Code Will be Created After Locking Scheme | | 3 | | | 1 | 4 | 2 | 1.5 | 30 | 70*# | 100 | 40 | - | - | - | - | 25 | 10 | 125 |
| 3 | PUBLIC HEALTH ENGINEERING | PHE | DSC | Course Code Will be Created After Locking Scheme | | 4 | | 2 | | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | - | - | 150 |
| 4 | ENTERPRENEURSHIP DEVELOPMENT AND STARTUPS | EDS | AEC | 315302 | | 1 | - | 2 | 1 | 4 | 2 | - | - | - | - | - | 50 | 20 | 25@ | 10 | 25 | 10 | 100 |
| 5 | SEMINAR AND PROJECT INITIATION COURSE | SPI | AEC | 315002 | | - | - | 2 | - | 2 | 1 | - | - | - | - | - | 25 | 10 | 25@ | 10 | - | - | 50 |
| 6 | INTERNSHIP(12 WEEKS) | ITR | SEC | 315001 | | - | - | - | - | 0 | 6 | - | - | - | - | - | - | - | 75# | 30 | 75 | 30 | 150 |
| ELECTIVE COURSE- I ( ELECTIVE COURSE- I ) Any - 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Course | | | | | | | | | | | | | | | | | | | |

## Semester : Sixth

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | CL | TL | LL | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | FA-TH Max | SA-TH Max | Total Max | Total Min | FA-PR Max | FA-PR Min | SA-PR Max | SA-PR Min | SLA Max | SLA Min | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Actual Contact Hrs./Week** | | | | | | | **Theory** | | | | **Based on LL & TL** / **Practical** | | | | **Based on Self Learning** | | |
| **General ( GENERAL ) Compulsory - 6** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MANAGEMENT | MAN | VEC | 316302 | | 3 | - | - | 1 | 4 | 2 | 1.5 | 30 | 70*# | 100 | 40 | - | - | - | - | 25 | 10 | 125 |
| 2 | DESIGN OF STEEL & RCC STRUCTURES | DSR | DSC | Course Code Will be Created After Locking Scheme | | 4 | 2 | 4 | 2 | 12 | 6 | 4 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| 3 | MAINTENANCE & REPAIRS OF STRUCTURE | MRS | DSC | Course Code Will be Created After Locking Scheme | | 4 | | 2 | | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | - | - | 125 |
| 4 | CONTRACTS & ACCOUNTS | CAA | DSC | Course Code Will be Created After Locking Scheme | | 4 | | 2 | 2 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 |
| 5 | CAPSTONE PROJECT | CPE | INP | 316001 | | - | - | 4 | - | 4 | 2 | - | - | - | - | - | 100 | 40 | 50# | 20 | - | - | 150 |
| **ELECTIVE COURSE- II ( ANY ONE ) Any - 1** | | | | | | | | | | | | | | | | | | | | | | | |
| | SOLID WASTE MANAGEMENT | SWM | DSE | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |

| Sr | Course | Abbr | Category | Course Code | CL | LL | TL | SL | Credits | ... | ... | FA-TH | SA-TH | Total | FA-PR | SA-PR | ... | SLA | ... | ... | ... | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | EARTHQUAKE RESISTANT BUILDING | ERB | DSE | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| | BUILDING SERVICES | BSE | DSE | Course Code Will be Created After Locking Scheme | | 3 | | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| | **Total** | | | | 0 | 18 | 2 | 14 | 6 | 40 | 20 | | 150 | 350 | 500 | | 200 | | 100 | | 100 | | 900 |

**Abbreviations :** CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment

**Legends :** @ Internal Assessment, # External Assessment, *# On Line Examination , @$ Internal Online Examination

**Note :**

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.

2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.

3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.

4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks

5. 1 credit is equivalent to 30 Notional hrs.

6. * Self learning hours shall not be reflected in the Time Table.

**Course Category :** Discipline Specific Course Core (DSC) : 3, Discipline Specific Elective (DSE) : 3, Value Education Course (VEC) : 1, Intern./Apprenti./Project./Community (INP) : 1, AbilityEnhancement Course (AEC) : 0, Skill Enhancement Course (SEC) : 0, GenericElective (GE) : 0