



# Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

List of Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework

Department : Information Technology

Programme Name : B.Tech. & M.Tech.

Academic Year: 2024-25

Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework:

| Sr. No. | Course Code | Name of the Course    |
|---------|-------------|-----------------------|
| 01.     | ITUATH2     | Human Values & Ethics |
| 02.     | NSUALS1     | NSS                   |
| 03.     | LAUBTC1     | INDIAN CONSTITUTION   |
| 04.     | LAPBTX4     | CONSTITUTION OF INDIA |





# Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

# Scheme and Syllabus

#### SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY

Scheme of Teaching and Evaluation 2022-2023 (As per NEP-2020) Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the Academic year 2022-2023)

|      |                          | I-SEMESTER BTech ECE/                   | IT/CS           | SE               |                       |                         |           |           |             |         |  |
|------|--------------------------|---|-----------------|------------------|-----------------------|-------------------------|-----------|-----------|-------------|---------|--|
|      |                          |   |                 | ching<br>s/ week |                       | Examination             |           |           |             |         |  |
| S.N. | Course Code              | Course Title                            | Theory lectures | Tutorial         | Practical/<br>Drawing | Examination in<br>Hours | CIA Marks | SEA Marks | Total Marks | Credits |  |
|      |                          |   | L               | T                | P                     | Examii<br>Hours         | CIA       | SE/       | Tota        |         |  |
| 1    | AMUATB4                  | Engineering Mathematics - B             | 3               | 1                | -1                    | 03                      | 40        | 60        | 100         | 4       |  |
| 2    | PPUATB2                  | Engineering Physics                     | 3               | 1                | -                     | 03                      | 40        | 60        | 100         | 4       |  |
| 3    | ITUATE2                  | Introduction to Information Technology  | 3               | -                | -                     | 03                      | 40        | 60        | 100         | 3       |  |
| 4    | ECUATE3                  | Basic Electrical Engineering            | 3               | -                | -                     | 03                      | 40        | 60        | 100         | 3       |  |
| 5    | ELUATHI                  | English for Communication               | 3               | -                | -                     | 03                      | 40        | 60        | 100         | 3       |  |
| 6    | ECUATH2/ CSUATH2/ITUATH2 | Human Values & Ethics                   | 1               | -                | -                     | 02                      | 50        | -         | 50          | 1       |  |
| 7    | PPUALB2                  | Engineering Physics Laboratory          | -               | -                | 2                     | 03                      | 25        | 25        | 50          | 1       |  |
| 8    | MEUALL1                  | Engineering Graphics                    | 1               | -                | 3                     | 03                      | 25        | 25        | 50          | 3       |  |
| 9    | ECUALE3                  | Basic Electrical Engineering Laboratory | -               | -                | 2                     | 03                      | 25        | 25        | 50          | 1       |  |
| 10   | NSUALSI                  | NSS                                     | -               | -                | 2                     | 01                      | 25        | 25        | 50          | 1       |  |
|      | To                       | 17                                      | 2               | 09               | 27                    | 350                     | 400       | 750       | 24          |         |  |

Note: AM:Mathematics, PP:Physics, ME: Mechanical Engineering, IP: Industrial & Production Engineering, CE: Civil Engineering, CS: Computer Sc. & Engg., IT: Information Technology, PE: Physical Education, NS: NSS, U: Undergraduate, T: Theory, L: Laboratory,

|                                     | ENGINEERING SCIENCE (E)                         |  |                                    |                        | EXTRA-            |  |  |  |  |
|-------------------------------------|---|--|------------------------------------|------------------------|-------------------|--|--|--|--|
| <ol> <li>Mathematics – A</li> </ol> | 1. Engineering Mechanics                        |  | SCIENCE (H)                        | COURSE (C)             | CURRICULAR        |  |  |  |  |
| 2. Physics                          | 2. Introduction to Information Technology       | 1. Engineering Graphics  | 1. English for                     | 1. Indian Constitution | ACTIVITIES (S)    |  |  |  |  |
| <ol><li>Chemistry</li></ol>         | 3. Basic Electrical Engineering                 | 2. Engineering Workshop  | communication                      | 2. Environmental       | 1. NSS            |  |  |  |  |
| 4. Mathematics - B                  | 4. Basic Electrical and Electronics Engineering | Practices  | <ol><li>Human Values and</li></ol> | Science & Ecology      | 2.Sports and Yoga |  |  |  |  |
|                                     | 5. Computer Programming                         |  | Ethics                             |                        |                   |  |  |  |  |
|                                     | 6. Basic Communication Engineering              |  |                                    |                        |                   |  |  |  |  |
| Credit Definition:                  | 30  | Four credit courses are to be designed for 50 hours of Teaching-Learning process.  |                                    |                        |                   |  |  |  |  |
| >1-hour lecture (L)                 | per week per semester = 1Credit                 | Three credit courses are to be designed for 40 hours of Teaching-Learning process. |                                    |                        |                   |  |  |  |  |
|                                     | per week per semester = 1Credit                 | Two credit courses are to be designed for 30 hours of Teaching-Learning process.   |                                    |                        |                   |  |  |  |  |
|                                     | 1   | > One credit courses are to be designed for 15 hours of Teaching-Learning process  |                                    |                        |                   |  |  |  |  |
| ≫2-hour Practical/I                 | Drawing(P) per week per semester = 1 Credit     | Note: The above is applicable only to THEORY courses                               |                                    |                        |                   |  |  |  |  |
|                                     |   | Note: The above is applican  | ne only to THEORY                  | courses                |                   |  |  |  |  |

AICTE Activity Points to be earned by students admitted to B.Tech. programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines):

Over and above the academic grades, every regular student admitted to the 4 years Degree program and every student entering 4years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

The activities can be spread over the years, any time during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) donot affect SGPA/CGPA and shall not be considered for vertical progression.

- Eligibility for UG Certificate:

  A. Undergraduate Certificate course will be offered by all departments of SoS(E&T), GGV.

  B. For applicability of UG Certificate, the candidate who wants to exit after completing 1" year (02 semesters) BTech degree with 10 credits of skill-based courses lasting two months, including atleast 06 credits job specific internship/apprenticeship with NHEQF level 5/UCF level 4.5.

  C. A student shall report to the concerned Head on or before the date notified by the Department/School/University, if he/she is interested to exit with UG Certificate

# SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY

Scheme of Teaching and Evaluation 2022-2023 (As per NEP-2020) Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the Academic year 2022-2023)

|       |             | II-SEMESTER BTech EC              | E/ <b>IT/</b> ( | CSE            |                       |                         |           |           |             |         |
|-------|-------------|-----------------------------------|-----------------|----------------|-----------------------|-------------------------|-----------|-----------|-------------|---------|
|       |             |                                   | Teach<br>Hours  | ning<br>s/week |                       |                         | Exami     | ination   |             |         |
| S. N. | Course Code | Course Title                      | Theory lectures | Tutorial       | Practical/<br>Drawing | Examination in<br>Hours | CIA Marks | SEA Marks | Total Marks | Credits |
|       |             |                                   | L               | T              | P                     | Examin<br>Hours         | CIA       | SE/       | Tot         |         |
| 1     | AMUBTB1     | Engineering Mathematics - A       | 3               | 1              | -                     | 03                      | 40        | 60        | 100         | 4       |
| 2     | CYUBTB3     | Engineering Chemistry             | 3               | -              | -                     | 03                      | 40        | 60        | 100         | 3       |
| 3     | CSUBTE5     | Computer Programming              | 3               | -              | -                     | 03                      | 40        | 60        | 100         | 3       |
| 4     | ECUBTE6     | Basic Communication Engineering   | 3               | -              | -                     | 03                      | 40        | 60        | 100         | 3       |
| 5     | LAUBTC1     | Indian Constitution               | 1               | -              | -                     | 01                      | 50        | -         | 50          | 1       |
| 6     | FOUBTC2     | Environmental Science and Ecology | 2               | -              | -                     | 03                      | 40        | 60        | 100         | 2       |
| 7     | CYUBLB3     | Engineering Chemistry Laboratory  | -               | -              | 2                     | 03                      | 25        | 25        | 50          | 1       |
| 8     | IPUBLL2     | Engineering Workshop Practices    | -               | -              | 2                     | 03                      | 25        | 25        | 50          | 1       |
| 9     | CSUBLE5     | Computer Programming Laboratory   | 1-              | -              | 2                     | 03                      | 25        | 25        | 50          | 1       |
| 10    | PEUBLS2     | Sports and Yoga                   | -               | -              | 2                     |                         | 25        | 25        | 50          | 1       |
|       |             | Total                             | 15              | 1              | 08                    | 25                      | 350       | 400       | 750         | 20      |

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HIMANITIES

| <ol> <li>Mathematics – A</li> </ol> | 1. Engineering Mechanics                  | COUR                              | SE (L)   | SCIENCE (H)                        | COURSE (C)                      | CURRICULAR        |  |  |  |
|-------------------------------------|---|-----------------------------------|--|------------------------------------|---------------------------------|-------------------|--|--|--|
| 2. Physics                          | 2. Introduction to Information Technology | Engineering Graphics              |  | 1. English for                     | 1. Indian Constitution          | ACTIVITIES (S)    |  |  |  |
| <ol><li>Chemistry</li></ol>         | 3. Basic Electrical Engineering           | 2. Engineering Workshop Practices |  | communication                      | <ol><li>Environmental</li></ol> | 1. NSS            |  |  |  |
| <ol><li>Mathematics - B</li></ol>   |   |                                   |  | <ol><li>Human Values and</li></ol> | Science & Ecology               | 2.Sports and Yoga |  |  |  |
| 5. Computer Programming             |   |                                   |  | Ethics                             |                                 |                   |  |  |  |
| 6. Basic Communication Engineering  |   |                                   |  |                                    |                                 | '                 |  |  |  |
| Credit Definition                   |   |                                   | > Four credit courses a  | re to be designed for 50           | hours of Teaching-              | Learning process. |  |  |  |
| >1-hour lecture (                   | ) per week per semester = 1Credit         |                                   | > Three credit courses are to be designed for 40 hours of Teaching-Learning process. |                                    |                                 |                   |  |  |  |
| · I nour recture (                  | sy per week per semester Tereur           |                                   | > Two credit courses are to be designed for 30 hours of Teaching-Learning process.   |                                    |                                 |                   |  |  |  |
| >1-hour tutorial (                  | Γ) per week per semester = 1Credit        |                                   | > One credit courses are to be designed for 15 hours of Teaching-Learning process    |                                    |                                 |                   |  |  |  |
| - 21 D .: 1                         | D : M                                     |                                   | Note: The above is applicable only to THEORY courses                                 |                                    |                                 |                   |  |  |  |
| >>2-hour Practical                  | Drawing(P) per week per semester = 1 Cred | ut                                | Note: The above is applicable only to THEORY courses                                 |                                    |                                 |                   |  |  |  |

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Programme, Model Internship Guidelines):
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The activities can be spread over the years, any time during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) donot affect SGPA/CGPA and shall not

be considered for vertical progression.

#### Eligibility for UG Certificate:

BASIC SCIENCE (B) ENGINEERING SCIENCE (E)

- A. Undergraduate Certificate course will be offered by all departments of SoS(E&T), GGV.

  B. For applicability of UC Certificate, the candidate who wants to exit after completing 1" year (02 semesters) BTech degree with 10 credits of skill-based courses lasting two months, including atleast of credits job specific internship/apprenticeship with NHEQF level 5/UCF level 4.5.

  C. A student shall report to the concerned Head on or before the date notified by the Department/School/University, if he/she is interested to exit with UG Certificate

# गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय अधिनयम 2009 क. 25 के अंतर्गत स्वापित केन्न्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



# Guru Ghasidas Vishwavidyalaya

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

# M.Tech. II-Semester

6.10

| SI. | Course<br>Type/  | Subjects   | Peri | ods/V | Veek | E   | valua | tion  | Credits |
|-----|--|--|------|-------|------|-----|-------|-------|---------|
|     | Code   |  | L    | T     | P    | IA  | ESE   | Total | 7       |
| 1.  | 1TPBTT1  | Advanced Algorithms  | 3    | 0     | 0    | 40  | 60    | 100   | 3       |
| 2.  | ITPBTT2  | Advanced Computer Architecture   | 3    | 0     | 0    | 40  | 60    | 100   | 3       |
| 3.  | ITPBTP1<br>ITPBTP2<br>ITPBTP3<br>ITPBTP4   | Elective – III  1. Web and Database Security 2. Internet of Things 3. Data Science 4. High Performance Computing   | 3    | 0     | 0    | 40  | 60    | 100   | 3       |
| 4.  | ITPBTP5 ITPBTP6 ITPBTP7 ITPBTP8  | Elective – IV  1. Information Warfare & Security  2. Cyber Security  3. Advanced Computer Networks  4. Big Data Analytics  | 3    | 0     | 0    | 40  | 60    | 100   | 3       |
| 5   | MSPBTO1<br>IPPBTO2<br>IPPBTO3<br>CEPBTO4<br>MEPBTO5<br>CHPBTO6<br>ECPBTO7<br>MCPBTO8 | Open Elective-1  1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy 7. IoT (Not for IT) 8. MOOCS | 3    | 0     | 0    | 40  | 60    | 100   | 3       |
| 6.  | ITPBLT1  | Advanced Algorithms Lab  | 0    | 0     | 4    | 30  | 20    | 50    | 2       |
| 7.  | ITPBLT2  | Data Science Lab   | 0    | 0     | 4    | 30  | 20    | 50    | 2       |
| 8.  | ELPBTX1  | Audit Course/Value Added<br>Course<br>English for Research Paper<br>Writing  | 2    | 0     | 0    | 40  | 60    | 100   | 2       |
|     | PEPBTX2<br>CEPBTX3<br>LAPBTX4  | Stress Management by Yoga Disaster Management Constitution of India  |      |       |      |     |       |       |         |
|     |  | Total  | 17   | 0     | 08   | 300 | 400   | 700   | 21      |

Note: Under MOOCs the students have to opt any subject oth er than

Information Technology from NPTEL/UGC SWAYAM

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A Del

X ON

| SYLLABUS      | (SEMESTER-I)   | Per<br>We | iods/<br>ek |   | Intern | al Asse | ssment ( IA)             | ESE   | Grand<br>Total | Credits |   |
|---------------|--|-----------|-------------|---|--------|---------|--------------------------|-------|----------------|---------|---|
| Subject Code: | ECUATH2 (for ECE) CSUATH2 (for CSE) ITUATH2 (for IT) | I L       | Т           | Р | CT-1   | CT-II   | Attendance & Assignments | TOTAL | -              | 50      | 1 |
| Subject:      | HUMAN VALUES & ETHICS                                | 1         | 0           | • | 20     | 20      | 10                       | 50    |                |         |   |

#### **COURSE OBJECTIVE:**

- 1. To create an awareness on Engineering Ethics and Human Values.
- 2. To understand social responsibility of an engineer.
- 3. To appreciate ethical dilemma while discharging duties in professional life.

#### **COURSE OUTCOME:**

On completion of this course, the students will be able to

- 1. Understand the significance of value inputs in a classroom and start applying them in their life and profession
- Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
- 3. Understand the role of a human being in ensuring harmony in society and nature.
- Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.

#### **COURSE CONTENT:**

#### **UNIT I: Introduction to Value Education**

- 1. Value Education, Definition, Concept and Need for Value Education.
- 2. The Content and Process of Value Education.
- 3. Basic Guidelines for Value Education.
- 4. Self exploration as a means of Value Education.
- 5. Happiness and Prosperity as parts of Value Education.

#### **UNIT II: Harmony in the Human Being**

- 1. Human Being is more than just the Body.
- 2. Harmony of the Self ('I') with the Body.
- 3. Understanding Myself as Co-existence of the Self and the Body.
- 4. Understanding Needs of the Self and the needs of the Body.
- 5. Understanding the activities in the Self and the activities in the Body.

#### UNIT III: Harmony in the Family and Society and Harmony in the Nature

- 1. Family as a basic unit of Human Interaction and Values in Relationships.
- The Basics for Respect and today's Crisis: Affection, e, Guidance, Reverence, Glory, Gratitude and Love.
- 3. Comprehensive Human Goal: The Five Dimensions of Human Endeavour.
- 4. Harmony in Nature: The Four Orders in Nature.
- 5. The Holistic Perception of Harmony in Existence.

#### **UNIT IV: Social Ethics**

- 1. The Basics for Ethical Human Conduct.
- 2. Defects in Ethical Human Conduct.
- 3. Holistic Alternative and Universal Order.
- 4. Universal Human Order and Ethical Conduct.
- 5. Human Rights violation and Social Disparities.

#### **UNIT V: Professional Ethics**

- 1. Value based Life and Profession.
- 2. Professional Ethics and Right Understanding.
- 3. Competence in Professional Ethics.
- 4. Issues in Professional Ethics The Current Scenario.
- 5. Vision for Holistic Technologies, Production System and Management Models.

### TEXT BOOKS

- 1.A.NTripathy, New Age International Publishers, 2003.
- 2.Bajpai. B. L, , New Royal Book Co, Lucknow, Reprinted, 2004
- 3.Bertrand Russell Human Society in Ethics & Politics

#### REFERENCE BOOKS

- 1. Corliss Lamont, Philosophy of Humanism
- 2. Gaur. R.R., Sangal. R, Bagaria. G.P, A Foundation Course in Value Education, Excel Books, 2009.
- 3. Gaur. R.R., Sangal. R, Bagaria. G.P, Teachers Manual Excel Books, 2009.
- 4.I.C. Sharma. Ethical Philosophy of India Nagin & co Julundhar
- 5.Mortimer. J. Adler, Whatman has made of man
- 6. William Lilly Introduction to Ethic Allied Publisher

# Course Outcomes and their mapping with Programme Outcomes: HUMAN VALUES AND ETHICS (ECUATH2 (for ECE), CSUATH2 (for CSE) and ITUATH2 (for IT))

| CO  |     |     |     |     |     |     | PO  |     |     |      |      |      | PSO  |      |      |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
|     | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO1 |     |     |     |     |     |     |     | 3   | 3   |      |      |      |      |      |      |
| CO2 |     |     |     |     |     |     |     | 3   | 3   |      |      |      |      |      |      |
| CO3 |     |     |     |     |     |     |     | 3   | 3   |      |      |      |      |      |      |
| CO4 |     |     |     |     |     |     |     | 3   | 3   |      |      |      |      |      |      |

Weightage: 1-Sightly, 2-Moderately, 3-Strongly

#### NSS

| SYLLABUS         | (SEMESTER-I) |   | Perio<br>Wee |   | INTERNA    | AL ASSES<br>(IA) | SMENT | ESE Viva/<br>Assessment | Grand<br>total | Credits |
|------------------|--------------|---|--------------|---|------------|------------------|-------|-------------------------|----------------|---------|
| Subject<br>Code: | NSUALS1      | L | Т            | Р | Attendance | Activities       | TOTAL |                         |                |         |
| Subject:         | NSS          | - | -            | 2 | 5          | 20               | 25    | 25                      | 50             | 01      |

#### **Objectives:**

- 1. To develop Personality
- 2. To do Community Service
- 3. To do social Awareness and Empowerment
- 4. To enhance Skill
- 5. To work for National Integration

#### Course:

Program Head 1: Cleaning Program (06 Hours/ Semester)

Program Head 2: Plantation (06 Hours/ Semester)

Program Head 3: Health Camp/Special Days celebration (10 Hours/ Semester)

Program Head 4: Awareness program/Ralley (06 Hours/ Semester)

#### **Course Outcomes:**

#### At the end of this course, students will demonstrate the ability to:

- 1. Observe his/her internal ability and develop own personality.
- Apply knowledge of the importance of cleanliness and hygiene in their surroundings, and develop skills in waste management and recycling.
- 3. Apply knowledge towards the significance of greenery and environmental conservation, participate in tree plantation drives, and understand the process of nurturing and caring for plants.
- 4. Apply knowledge of health issues prevalent in the community and methods of prevention and organizing health camps and awareness programs on special days like World Health Day or World AIDS Day.
- 5. Express social issues and their impact on the community. Actively participate in awareness programs and rallies to create awareness about social problems like gender inequality, or environmental degradation.

#### Course Outcomes and their mapping with PO and PSO: NSS (NSUBLS1)

| СО   |     | PO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 |     |     |     |     |     |     |     |      |      |      |      |      | PSO  |  |  |  |
|------|-----|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|--|--|--|
| - 00 | PO1 | PO2   | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |  |  |  |
| CO1  |     |   |     |     |     |     |     |     | 1   |      |      |      |      |      |      |  |  |  |
| CO2  |     |   | 1   |     |     | 1   | 2   |     |     |      |      |      |      |      |      |  |  |  |
| CO3  |     |   | 1   |     |     | 1   | 2   |     |     |      |      |      |      |      |      |  |  |  |
| CO4  |     |   | 1   |     |     | 1   | 2   |     |     |      |      |      |      |      |      |  |  |  |
| CO5  |     |   | 1   |     |     | 1   | 2   |     |     |      |      |      |      |      |      |  |  |  |

Weightage: 1-Sightly; 2-Moderately; 3-Strongly

| Subject:         | Constitution of India (LAPBTX4) |   | Cr | edits |       |  |
|------------------|---------------------------------|---|----|-------|-------|--|
| Туре:            | Audit Course/Value Added Course | L | Т  | P     | Total |  |
| Teaching Scheme: | Lectures: 2 hours/week          | 2 | 0  | 0     | 2     |  |

#### Course outcomes: At the end of the course, students will be able to

- 1 Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics.
- 2 Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India.
- 3 Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution.
- 4 Discuss the passage of the Hindu Code Bill of 1956.

### Syllabus Contents:

- History of Making of the Indian Constitution: History Drafting Committee, (Composition & Working).
- Philosophy of the Indian Constitution: Preamble, Salient Features
- Contours of Constitutional Rights & Duties: Fundamental Rights, Right to Equality, Right to Freedom, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights, Right to Constitutional Remedies, Directive Principles of State Policy, Fundamental Duties.
- Organs of Governance: Parliament, Composition, Qualifications and Disqualifications, Powers and Functions, Executive, President, Governor, Council of Ministers, Judiciary, appointment and Transfer of Judges, Qualifications, Powers and Functions.
- Local Administration: District's Administration head: Role and Importance, Municipalities: Introduction, Mayor and role of Elected Representative, CEO of Municipal Corporation. Pachayati raj: Introduction, PRI: ZilaPachayat. Elected officials and their roles, CEO ZilaPachayat: Position and role. Block level: Organizational Hierarchy (Different departments), Village level: Role of Elected and Appointed officials, Importance of grass root democracy.
- Election Commission: Election Commission: Role and Functioning, Chief Election Commissioner and Election Commissioners, State Election Commission: Role and Functioning, Institute and Bodies for the welfare of SC/ST/OBC and women.

# References:

- The Constitution of India, 1950 (Bare Act), Government Publication.
- Dr. S. N. Busi, Dr. B. R. Ambedkar framing of Indian Constitution, 1st Edition, 2015.
- M. P. Jain, Indian Constitution Law, 7th Edn., Lexis Nexis, 2014.
- D.D. Basu, Introduction to the Constitution of India, Lexis Nexis, 2015.