Government Polytechnic Udaipur Camp at Sundernagar Distt Mandi (H.P) -1750 18 ti (H.P.) nort Polytechnic Udaipur

Department of Civil Engineering

| .No. | MONTH | WEEK | DATE | Plan for Design R.C. C Structures (Semester-5th)Session: (August- December 2024) | REMARKS |
|------|-------|--------|----------|---|--------------|
| 4 | | Week 3 | 14,16 | Design Philosophies: Working Stress Theory, Ultimate Design Theory, Limit State Theory Concept of Reinforced Cement Concrete (RCC) Reinforcement Materials: | REMARKS |
| 1 | Aug | Week 4 | 21,22,23 | Suitability of Steel as reinforcing material Properties of mild steel and HYSD steel Loading on structure as per LS 875. Study of BIS:456-2000-clause5, clause6, clause9, Clause18, clause19, clause22, clause 23.0, 23.2, 23.3, Clause25, clause26, clause35, clause36, clause37, clause 38, clause 39, clause 40, clause 41, clause42, clause 43, Annexure—B, C, D, E, G | - 1 |
| | | Week 5 | 28,29,30 | Nominal Shear stress in R.C. Section, Design shear strength of concrete, maximum shear stress, Design of shear reinforcement, Minimum shear reinforcement, | 1 |
| | | Week 1 | 4,5,6 | Forms of shear reinforcement with numerical problems. | 1 |
| | | Week 2 | 11,12,13 | Bond and types of bonds, Bond Stress, check for bond stress, Development length in tension and compression, anchorage value for hooks 90° bend and 45° bend. Standard Lapping of bars, check for development length. | Class Test-1 |
| 2 | Sep | Week 3 | 18,19,20 | Determination of development length required for tension reinforcement of cantilevers beam and slab, check for development length | |
| | | Week 4 | 25,26,27 | Limit State of collapse (Flexure), Assumption stress. Strain relationship for concrete and steel, neutral axis, Stress block diagram and Strain diagram for singly reinforced section. Concept of under- reinforced, over-reinforced and balanced section, neutral axis, limiting value of moment of resistance and limiting percentage of steel required for balanced singly R.C. Section. | |
| | | Week 1 | 3,4 | Simple numerical problems on determining d e si g n c ons t a nts, m o m e n t of 9 resistance and area of steel. Design of Singly reinforced simply supported beam and cantilever beam. | |
| 3 | Oct | Week 2 | 9,10,11 | General features, necessity of providing doubly reinforced reinforcement, limitations. Analysis of doubly reinforced section, strain diagram, stress diagram, depth of neutral axis, moment of resistance of the section. | |
| 1 | | Week 3 | 16,18 | Numerical problems on finding moment of resistance | Class Test-2 |
| | | Week 4 | 23,24,25 | Analysis & Design of simply supported one-way slab. Design of two-way simply supported slab with corners free & no provision for torsion reinforcement. | |
| | L | Week 1 | 1 | Assumptions in limit state of collapse-compression Definition and classification of columns, effective length of column. | |
| 4 | | Week 2 | 6,7,8 | House test | |
| | Nov | Week 3 | 13,14 | Specification for minimum reinforcement; cover, maximum reinforcement, number of bars in rectangular, square, and circular sections, diameter and spacing of lateral ties. (No numerical on helical ties). | |
| | | Week 4 | 20,21,22 | Analysis and Design of axially loaded: Uniaxial & Biaxial Bending along with axial loading: short, square, rectangular, and circular columns with lateral ties only; check for short column and check for minimum eccentricity may be applied. | |
| - 1 | | Week 5 | 27,28,29 | Rivision | |

(Er. R.S. Chandel

Signature of H.O.D

Government Polytechnic Lahaul Spiti at Udaipur Camp At Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering Lesson Plan for Estimate & Costing (Semester-5th)Session: (Aug- Dec 2024)

| S.No. | MONTH | WEEK | DATE | Name of Chapter | | REMARKS | |
|-------|-----------|--------|--------------|--|---|--|---------|
| 1 | 9 | Week 3 | k 3 13,14,17 | 13,14,17 Intoduction | Intoduction | Meaning of the terms estimating & costing. Purpose of estimating and costing Types of Estimates Approximate and Detailed Approximate estimate Types Plinth area rate method Cubic Content method | KEMAKKS |
| | August | Week 4 | 20,21,24 | | Approximate Quantity method Types of detailed estimate Detailed estimate for new work Revised estimate Supplementary estimate Repair & Maintenance estimate | | |
| | | Week 5 | 27,28,31 | | Units of measurement for various items of work as per BIS: 1200 Rules for measurements. | | |
| | | Week 1 | 3,4,7 | Measurement | Different methods of taking out quantities-centre line method and long wall and short wall method. | | |
| 2 | September | Week 2 | 10,11 | | Do | Class Test - I | |
| | | Week 3 | 17,18,21 | Preparation of | One & two room residential building with flat roof | | |
| | 1 | Week 4 | 24,25,28 | Detailed | Do | | |
| | October | Week 1 | 1,5 | Estimates and Abstract of Cost for Road | Septic tank for 10 users | | |
| | | Week 2 | 8,9 | | Do | | |
| 3 | | Week 3 | 15,16,19 | | Preparation of Detailed Estimates and Abstract of Cost for Plain road with-mid section area method. | Class Test - II | |
| | | Week 4 | 22,23,26 | | mean sectional area method, prismoidal formula.Earth work in hill road | | |
| | | Week 5 | 29,30 | Estimation | Do | | |
| | | Week 1 | 2 | | Calculation of Quantities of Materials, Cement mortars of different proportion'Cement concrete of different proportion RCC work in different proportions, Brick/stone masonry in cement mortar | | |
| - 1 | | Week 2 | 5,6 | Analysis of | House test | | |
| 4 | November | Week 3 | 12,13,16 | Rates | Plastering and pointing, Whitewashing, paintingPreparation of Detailed Analysis of Rates for finished items with given labour and rate of material EarthworkCement concrete of different proportion, RCC work in different proportions, Brick/stone masonry in cement mortar. Plastering and pointing. Whitewashing, painting | | |
| | | Week 4 | 19,20,23 | Contracts and tendering | Meaning of contract, Qualities of a good contractor and their qualifications, Essentials of a contract, Types of contracts, their advantages, dis-advantages and suitability, system of payment. Single and two cover-bids, Tender, tender forms and documents, tender notice, submission of tender and deposit of earnest money, security deposit, retention money, maintenance period | | |





| 4 November Week 5 26,27,30 | Administrative approval, Technical sanction, Budget provision, Expenditure sanction. Methods for carrying out works- contract method. Preparation of Tender Document based on Common Schedule Rates (CSR), Introduction to CSR and calculation of cost based on premium on CSR. | |
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Signature of Teacher (Er Manoj Kumar Thakur)

Signature of HOD

Government Polytechnic Udaipur Camp at Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering

Lesson Plan for Water Resourse Engineering (Semester-5th)Session: (August- December 2024)

| S.Nu. | MONTH | WEEK | DATE | CONTENTS | REMARKS |
|-------|-------|--------|--------------|--|--------------|
| | | Week 3 | 12,14,16 | Hydrology: Definition and Hydrological cycle Rain Gauge: Symons rain gauge, automatic rain gauge, | |
| 10 | Aug | Week 4 | 21,22,24 | Methods of calculating average rainfall: Arithmetic mean, Iso-hyetal, and Theissen polygon method. | 1 . |
| | | Week 5 | 38,29,31 | Runoff, Factors affecting Runoff, Computation of run-off | 1 |
| | | Week 1 | 2,4,5,7 | Imgation and its classification. Crop Water requirement: Cropping seasons, measures. | - |
| | | Week 2 | 9,11,12 | Crop period, base period, Duty, Delta, CCA, GCA, intensity of irrigation, factors affecting duty, | Class Test-1 |
| 2 | Sep | Week 3 | 16,18,19,21, | Problems on water requirement Methods of application of irrigation water and its assessment. Silting of reservoir, Rate of silting, factors affecting silting and control | |
| | | Week 4 | 23,25,26,28 | Dams and its classification: Earthen dams and Gravity dams (masonry and concrete). Earthen Dams— Components with function, acting on dam, Theoretical and practical profile, typical cross-section. (only theoretical concept) Spillways-Definition, function & location | |
| | | Week 5 | 30 | typical cross-section, | 1 |
| | Oct | Week 1 | 3,5 | seepage through embankment and foundation and its control. | 1 |
| 3 | | Week 2 | 7,9,10 | Methods of construction of earthen dam, types of failure of earthen dam and preventive measures. Gravity Dams–Forces | 1 |
| | | Week 3 | 14,16,19 | Lift irrigation Scheme-Components and their functions, Layout. Drip and Sprinkler Irrigation-Need, components, and Layout. | Class Test-2 |
| _ | | Week 4 | 21,23,24,26 | Well irrigation: types and yield of wells, advantages and disadvantages of well irrigation | 1 |
| | | Week 1 | 2 | Weirs-components, parts, | 1 |
| - 1 | - | Week 2 | 4,6,7 | House test | 1 |
| 4 | Nov | Week 3 | 11,13,14,16 | types of weirs Barrages-components and their functions. Difference between weir and Barrage. Canals- Classification according to alignment and position in the canal network, Cross section of canal in embankment and cutting, partial embankment and cutting. | |
| | | Week 4 | 18,20,21,23 | Canal lining-Purpose, material used and its properties, advantages. Cross Drainage Works-Aqueduct, siphon aqueduct, super passage, level crossing. Canal Regulators- Head regulator. | |
| | | | 25 27 28 30 | Cross regulator, Escape, Falls and Outlets Unit–VI Water logging □ Definition, Causes, Preventive & remedial measures, Reclamation of water logged areas | |
| 5 | Dec_ | Week 1 | 2 | Rivision | 1 1 |

Signature of Teacher (Er Sujaya Sharma)

Signature of H.O.D (Dr. Lalit Goel)

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Lesson Plan for ERBD (Semester-5th) Session: (August-December 2024)

| S.N | . MONTH | WEEK | DATE | CONTENTE | | |
|-----|-----------|---|--|--|--|--|
| | | Week 3 | 16 | General features of tectonic of selemic regions 2 | REMARKS | |
| | August | Week 4 | 22,23 | General features of tectonic of seismic regions, Causes of earthquakes, Seismic waves Earth quake size (magnitude and intensity), Epicenter, Seismograph, Classification of earthquakes, Seismic zoning map of India | | |
| | | Week 5 | 29,30 | Earth quake effects, Traditionally built construction in India, Performance of building during earthquakes and Mode of failure (Out of plane failure, in plane failure, Diaphragm failure, Connection | | |
| | | Week 1 | 5,6 | Mode of failure (Out of plane failure, in plane failure, Diaphragm failure, Connection failure, Non- structural components failure) | | |
| _ | | Week 2 | 12,13 | Introduction to IS1893 (Part-I)-2016 Introduction A | | |
| 2 | September | Week 3 10.20 Ductile Detailing of Reinforced Coperate Building in | Ductile Detailing of Reinforced Congrete Building to | Class Test-I | | |
| | | Week 4 | 26,27 | General Principal for earthquake resistant buildings 0.0 | | |
| | October | | Week 1 | 3,4 | irregularities, Vertical irregularities, Plan irregularities, Ductile detailing as per code, Seismic strengthening arrangements, Horizontal | |
| 3 | | Week 2 | 10,11 | Introduction to IS13828-1993 & IS13827-1993, Advantages and disadvantages of masonry construction, Behaviour of masonry construction during earthquakes, Earthquake resistance features for burnt clay brick in weak mortar, | | |
| | | Week 3 | 18 | Codal Provisions for earthquake resistant earthen construction, Seismic strengthening features of | | |
| | | Week 4 | 24,25 | Retrofitting Measure for Traditionally Built Construction, Introduction, need of retrofitting, Retrofitting | Class Test-II | |
| T | | Week 1 | 1 | Retrofitting measure of traditionally built construction, Retrofitting of masonry buildings, Retrofitting of concrete structure, Retrofitting of low-cost buildings | | |
| 4 1 | Г | Week 2 | 7,8 | | | |
| | November | Week 3 | | Disaster Management, Disaster rescue, Psychology of rescue, rescue workers, | | |
| | | Week 4 | 21,22 | rescue plan, rescue by steps, rescue equipment, Safeties in rescue operations, | | |
| | | Week 5 | 28,29 | Debris clearance, Causality management | | |

Signature of Teacher (Er Nawang Negi)

Signature of H.O.D. (Dr. Lalit Goel)

Government Polytechnic Lahaul Spiti at Udaipur Camp at Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering

Lesson Plan for Elective -4 Green Building and Energy Conservation (Semester-5th) Session: (August-December 2024)

| S.NO | . MONTH | WEEK | Date | e -4 Green Building and Energy Conservation (Semester-5th) Session: (August-December 2 CONTENTS | | | | |
|------|----------|--------|---|--|---------|----------|--|--|
| Ď | | Week 3 | 16 &17 | Unit I: Introduction to Green Building and Design Features Definition of Green Building, Benefits of Green building. | REMARK | | | |
| 1 | August | Week 4 | 22,23&24 | Components/features of Green Building, Site selection, Energy Efficiency, Water efficiency, Material Efficiency, Indoor Air Quality. | | | | |
| - 9 | | Week 5 | 29,30 &31 | waste reduction during construction. | | | | |
| | | Week 1 | 5,6 &7 | Unit-II Energy Audit and Environmental Impact Assessment (EIA) Energy Audit: Meaning, Necessity, Procedures, | | | | |
| 2 | Septembe | | 12 &13 | Energy Management Programs Environmental Impact Assessment (EIA): Introduction, EIA regulations, Steps in environmental impact assessment process, | CLASS | | | |
| | | Week 3 | 19,20&21 | Benefits of EIA, Limitations of EIA. Environmental clearance for the civil and to a civil and the ci | TEST-I | | | |
| _ | | | | | Week 4 | 26,27&28 | Energy, Hydro Energy, Biomass Energy Renewable Energy Resources: Solar Energy, Wind Energy, Ocean | |
| 3 | October | Week 1 | 3,4&5 | Non-renewable Energy Resources: Coal, Petroleum, Natural Gas, Nuclear Energy, Chemical Sources of Energy, Fuel Cells, Hydrogen, Bio fuels. — Non-renewable Energy Resources: Coal, Petroleum, Natural Gas, Nuclear Energy, Chemical Sources of Energy, Fuel Cells, Hydrogen, Bio fuels. | | | | |
| | | Week 2 | 10&11 | Energy conservation: Introduction, Specific objectives, present scenario, Need of energy conservation, LEED India Rating System and Energy Efficiency. | | | | |
| 3 | October | Week 3 | 18&19 | Unit- IV Green Building : Principles: Principles and planning of Green building | CLASS | | | |
| | | Week 4 | | Features: Salient features of Green Building, Environmental design (ED) strategies for building construction. | TEST-II | | | |
| | | | Week 1 1&2 Process: Improvement Materials: Green build cane) particle board, In Nontoxic paint. Green | Process: Improvement in environmental quality in civil structure Civil Engineering Curriculum Structure 118. Materials: Green building materials and products- Bamboo, Rice husk ash concrete, plastic bricks, Bagasse (Sugar cane) particle board, Insulated concrete forms. Reuse of waste materials –Plastic, rubber, Newspaper wood, | | | | |
| | | Week 2 | 7&8 | HOUSE TEST | | | | |
| 4 | November | Week 3 | | Unit V Rating System I Introduction to (LEED) criteria, I Indian Green Building council (IGBC) Green rating, I Green | | | | |
| | | Week 4 | 21.22823 | reating Ventilation Air Conditioning (HVAC) unit in green Building _ Functions of Government organization working | | | | |
| | | Week 5 | 28.29830 | □ National Productivity council(NPC) □ Ministry of New and Renewable Energy (MNRE) □ Bureau of Energy | | | | |

Signature of Teacher

(Dr Lalit Goel)

Signature of HOD (Dr. Lalit Goel)

Government Polytechnic Udaipur Camp at Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering

Lesson Plan for Design of R.C.C Structures Lab (Semester-5th)Session: (August- December 2024)

| S.No. | MONTH | WEEK | DATE | CONTENTS | REMARKS |
|-------|---------------------------------------|--------|-------|--|--------------|
| | | Week 3 | 12,13 | Rectangular beams – Singly reinforced | |
| 1 | Aug | Week 4 | 19,20 | Drawing sheet Prepration | 1 |
| | , , , , , , , , , , , , , , , , , , , | Week 5 | 27 | Rectangular beams- Doubly reinforced | 1 |
| | | Week 1 | 2,3 | Drawing sheet Prepration | 1 |
| | | Week 2 | 9,10 | One-way slabs | Class Test-1 |
| 2 | Sep | Week 3 | 16,17 | Drawing sheet Prepration | 1 |
| | | Week 4 | 23,24 | Two-way slabs (Corner not held down) | 1 |
| | | Week 5 | 30 | Drawing sheet Prepration | 1 |
| | Oct | Week 1 | 1 | Square columns with isolated footing of uniform depth and varying depth (sloped footings) | 1 |
| 3 | | Week 2 | 7,8 | Drawing sheet Prepration | 1 |
| | | Week 3 | 14,15 | Circular column with isolated footing of uniform depth and varying depth (sloped footings). | Class Test-2 |
| | 00. | Week 4 | 21,22 | Drawing sheet Prepration | |
| | | Week 5 | 28,29 | Interpret the actual RCC Structural Drawings used on site with reference to reinforcement details of various structural elements. | 1 |
| | | Week 2 | 4,5 | House test | 1 |
| | Nov | Week 3 | 11,12 | Prepare a detailed report of site visit for reinforcement detailing of structural elements like beams, columns, staircase & footing. | |
| | Nov | Week 4 | 18,19 | Prepare a checklist for reinforcement provided from actual drawings used on site for various structural elements | 1 |
| | | Week 5 | 25,26 | Drawing sheet Prepration | 1 |
| 5 | Dec | Week 1 | 2 | Rivision | 1 |

Signature of Teacher

(Er. R.S. Chandel

(Er Sujaya Sharma)

Signature of H.O.D

Government Polytechnic Udaipur Camp at Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering

Lesson Plan for Life Skills for Professional and Personal Life (LSPPL) (Semester-5th)Session: (August- December 2024)

| S.No. | MONTH | WEE | DATE | CONTENTS | REMARKS |
|-------|-------|--------|--------------|---|-------------|
| | | Week | 12,14,17 | Life Skills, Soft Skills & Interpersonal Skills: Definition of Life Skills and Soft Skills, Significance of Life Skills and Soft Skills in Personal and Professional life, Types of Soft skills and Life skills, Ways to develop Soft Skills and Life Skills. | |
| 1 | Aug | Week 4 | 21,22,24 | Concept of Interpersonal Skills and tips to improve Interpersonal Skills, Meaning of Team dynamics and Tips for improving Team dynamics | |
| | | Week 5 | 28,29,31 | Communication Skills, Meaning of Communication Skills, Significance and Characteristics of Assertive Communication, | |
| | | Week 1 | 2,4,5,7 | Techniques of Assertive Communication, Tips to develop Assertive Communication | |
| | | Week 2 | 9,11,12 | Life Skills: Self Awareness:Self Introspection, Meaning of Self awareness:Introspection, Self Reflection and Insight ,Strategies to improve self awareness, Importance of counseling and coaching | Class Test |
| 2 | Sep | Week 3 | 16,18,19,21, | Stress Management: Meaning of Stress, Factors causing positive and negative types of stress Effects of Stress on mind and body, Stress Management techniques | |
| | | Week 4 | 23,25,26,28 | Emotional Intelligence: Meaning and Significance of El, Strategies to develop and enhance Emotional Intelligence. Self- Esteem: Concept, Meaning and Significance of Self-Esteem , Types of Self-Esteem, Characteristics of people with High and Low Self -Esteem, Steps and Tips for improving Self-Esteem | |
| | | Week 5 | 30 | Social Awareness:. Meaning and Techniques of social awareness and social skills | 1 |
| | | Week 1 | 3,5 | Empathy: Meaning and types of Empathy, Benefits of Empathy, Steps for developing Empathy Compassion: Meaning and Benefits of Compassion, Steps to practice Compassion. | |
| 3 | Oct | Week 2 | 7,9,10 | Body Language: Elements of Body Language, Develop Positive Body language that helps in building positive relationships, Avoiding Negative Body Language. Thinking Skills: Positive Thinking, Meaning and Benefits of Positive Thinking, Tips to develop positive attitude and practice Positive Thinking | |
| | | Week 3 | 14,16,19 | Listening Skills: Concept, Significance and Process of Listening Skills, Kinds of Listening, Factors hindering effective Listening, Tips for Active and Empathetic Listening | Class Test- |
| | | Week 4 | 21,23,24,26 | Resilience:Meaning and Types of Resilience, Case studies of Resilience. Time Management Skills: Concept and Significance of Time Management. Benefits of Time Management | |
| | | Week 1 | 2 | Tools and techniques of Time Management, How to overcome procrastination and avoid time-wasters | |
| | | Week 2 | 4,6,7 | House test | |
| 4 | Nov | Week 3 | 11,13,14,16 | What is Value and types of values | |
| | | Week 4 | 18,20,21,23 | Human Dignity and Humility: Meaning of Human Dignity and Fundamental rights of a person | |
| | | Week 5 | 25,27,28,30 | Meaning of Humility, Significance of humility, Developing and cultivating humility | |
| 5 | Dec | Week 1 | 2 | Revision | |

Signature of Teacher (Ms Prema Sharma)

Signature of H.O.D (Dr. Lalit Goel)

Department of Civil Engineering Government Polytechnic Sundernagar Distt Mandi (H.P) -175018 Department of Civil Engineering

Lesson Plan for CACE (G-1) (Semester-5th) Session: (Aug-Dec 2024)

| S.No. | HTMONI | WEEK | DATE | CONTENTS | REMARKS |
|-------|-----------|--------|-------|--|---------|
| 1 | August | Week 3 | 16,17 | Co-ordinates, drawing limits, grid, snap, ortho features. Drawing commands, line, circle, polyline, multiline, ellipse, polygon etc. Editing commands – Copy, move, offset, fillet, chamfer, trim, lengthen, mirror, rotate, array etc. Working with hatches, fills, dimensioning, text etc. | |
| • | August | Week 4 | 23,24 | Practice & Checking of practical files | |
| | | Week 5 | 30,31 | Drawing T, L, I, E, H with absolute, coordinate system | |
| | | Week 1 | 6,7 | Drawing T, L, I, E, H with relative coordinate system. | |
| | | Week 2 | 13 | Practice & Checking of practical files | |
| 2 | September | Week 3 | 20,21 | Drawing T, L, I, E, H with polar coordinate system. | |
| | | Week 4 | 27,28 | Practice & Checking of practical files | |
| | October | Week1 | 4,5 | Preparation of line plan of a residential building | |
| 3 | | Week2 | 11 | Practice & Checking of practical files | |
| | | Week3 | 18,19 | Preparation of detailed plan of a two room residential building, Elevation, Section, | |
| | | Week4 | 25,26 | Site Plan (using different type of layers) | |
| | | Week 1 | 1,2 | Viva & Checking of practical files. | |
| | | Week 2 | 8 | Introduction to STAAD Pro, Introduction to MS Project/Primavera | |
| 4 | November | Week 3 | 16 | Use of artificial Intelligence in Building Design | |
| | | Week 4 | 22,23 | Viva & Checking of practical files. | |
| | | Week 5 | 29,30 | Viva & Checking of practical files. | |

Signature of Teacher

(Er Manoj Kumar Thakur)

Signature of H.O.D

Department of Civil Engineering

Government Polytechnic Sundernagar Distt Mandi (H.P) -175018

Department of Civil Engineering

Lesson Plan for CACE (G-2)

(Semester-5th)

Session: (Aug-Dec 2024)

| S.No. | MONTH | WEEK | DATE | CONTENTS | REMARKS |
|-------|-----------|--------|-------|--|---------|
| 1 | August | Week 3 | 12,13 | Co-ordinates, drawing limits, grid, snap, ortho features. Drawing commands, line, circle, polyline, multiline, ellipse, polygon etc. Editing commands – Copy, move, offset, fillet, chamfer, trim, lengthen, mirror, rotate, array etc. Working with hatches, fills, dimensioning, text etc. | |
| 1 | August | Week 4 | 19,20 | Practice & Checking of practical files | |
| | | Week 5 | 27 | Drawing T, L, I, E, H with absolute, coordinate system | |
| | | Week 1 | 2,3 | Drawing T, L, I, E, H with relative coordinate system. | |
| | | Week 2 | 9,10 | Practice & Checking of practical files | |
| 2 | September | Week 3 | 16,17 | Drawing T, L, I, E, H with polar coordinate system. | |
| | | Week 4 | 23,24 | Practice & Checking of practical files | |
| | | Week 5 | 30 | | |
| | | Week1 | 1 | Preparation of line plan of a residential building | |
| 3 | October | Week2 | 7,8 | Practice & Checking of practical files | |
| | October | Week3 | 14,15 | Preparation of detailed plan of a two room residential building, Elevation, Section, | |
| | | Week4 | 21,22 | Site Plan (using different type of layers) | |
| | | Week 2 | 4,5 | Introduction to STAAD Pro, Introduction to MS Project/Primavera | |
| , | Nauambar | Week 3 | 11,12 | Use of artificial Intelligence in Building Design | |
| 4 | November | Week 4 | 18,19 | Viva & Checking of practical files. | |
| | | Week 5 | 25,26 | Viva & Checking of practical files. | |
| 5 | December | Week 1 | 2 | Viva | |

Signature of Teacher

(Er Nawang Negi)

Signature of H.O.D