| Name of Faculty        | Er. Munish Kumar             |
|------------------------|------------------------------|
| Course                 | Civil ENGG.                  |
| Semester               | 6 <sup>th</sup> (Civil Engg) |
| Subject                | Prestressed Concrete         |
| Lesson Plan Duration   | MARCY - JULY 2024.           |
| Work load ( ) Per Week | 04 Theory                    |

| Week                              | Theory   | Groups |
|-----------------------------------|--|--------|
| 1°'<br>(8Mar-13 Mar)              | Basic concept of prestressed concrete, advantages of prestressed concrete in comparison                              |        |
| 2 <sup>nd</sup><br>15Mar-20 Mar   | Application of prestressed to various building elements, bridges   |        |
| 3'd<br>22Mar-27 Mar               | Water tanks and precast element  |        |
| 4 <sup>th</sup><br>29Mar-3 april  | Materials - Materials requirement for prestressing concrete - High strength concrete                                 |        |
| 5 <sup>th</sup> 5Apr-9 april      | Pre stressing steel wires, strands and high strength bars  |        |
| 6 <sup>th</sup> 12Apr-17<br>april | Stresses in high strength steel and stress strain relationship, tend on profile.                                     |        |
| 7 <sup>th</sup><br>19Apr-24 april | Prestressing -Introduction to prestressing methods-pre-<br>tensioning and post-tensioning                            |        |
| 8 <sup>th</sup><br>26 Apr-1 May   | forces due to pretensioning and post-tensioning  |        |
| 9 <sup>th</sup><br>26 May1 May    | Bending and Shear Capacity Concept of bending shear capacity of prestressed members                                  |        |
| 10 <sup>th</sup> 3May-7<br>May    | Bending and Shear Capacity Concept of bending shear  |        |
| 11 10May-<br>15May                | shear capacity of prestressed members  |        |
| 12<br>17May-22 May                | Calculation of bending stresses in rectangular simply supported beams with straight                                  |        |
| 13<br>24May-29 May                | Calculation of bending stresses in rectangular simply supported beams with straight and parabolic profile of tendons |        |
| 14<br>31May-5 june                | Losses in Prestressing Types of losses in prestress-Elastic<br>shortening  |        |
| 15.<br>7 june-11 june             | shrinkage of concrete, frictionless  |        |
| 16.14 june—19<br>june             | stress relaxation in prestress steel   |        |
| 17.<br>21 june—26<br>june         | Computation of losses for simple beam problems.  |        |
| 18.<br>28 june—5july              | Frictionless, Computation of losses for simple beam problems.  |        |
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| Name of Faculty      | Sh. Parveen Kumar       |
|----------------------|-------------------------|
| Discipline           | Civil Engineering       |
| Semester             | 6 <sup>th</sup>         |
| Subject              | Steel Structures Design |
| Lesson Plan Duration | March 2021 – July 2021  |

Load

4 Theory

|  | Tonice                                       | Theory  |
|--|--|---|
| Week   | Topics                                       | Theory  |
| 1 <sup>st</sup>  | Structural Steel and<br>Sections             | Terminology, Properties of structural steel as per IS Code, grades of steel.  |
| 8 March – 12 March)  |  | Designation of structural steel sections as per IS handbook and IS: 800.  |
| 2 <sup>nd</sup><br>15 March – 20 March)                        | Structural Steel and Sections                | Classification of sections in Limit State Method. Hollow Sections, Hot rolled and Cold Formed, advantages and applications.   |
|  | 2. Bolted Connections                        | Types of Bolts.   |
| 3 <sup>rd</sup><br>22 March – 27 March)                        | 2. Bolted Connections                        | Forces in Bolts. Types of Bolted joints with Sketches. Design of bolted connections (limit state).  |
| 4 <sup>th</sup><br>(30 March – 3 April)                        | 3. Welded Connections (LSM)                  | Introduction, types of welds, defects in welds, Permissible stress in weld, strength of weld, advantages and disadvantages of welded joint.                                 |
| 5 <sup>th</sup><br>(5 April – 9 April)                         | 3. Welded Connections (LSM)                  | Types of welds and their symbols. Design of fillet weld and butt weld subjected to axial load. (Descriptive No numerical on plug and slot welds)                            |
|  | Class Test – 1                               | In Third Week of April.   |
| 6 <sup>th</sup><br>(12 April – 17 April)                       | 3. Welded Connections (LSM)                  | Design of fillet weld and butt weld subjected to axial load.(Descriptive No numerical on plug and slot welds) Continued   |
| 7 <sup>th</sup>  | 4. Tension Members (LSM)                     | Types of section used, permissible stresses in axial tension.  Gross and net cross–sectional area of tension member.  |
| (19 April – 24 April)<br>8 <sup>th</sup><br>(26 April – 1 May) | 4. Tension Members<br>(LSM)                  | Analysis and Design of tension member with welded and riveted connection.  Introduction to Lug Angle and Tension splice. (Theory only)                                      |
| 9 <sup>th</sup><br>(3 May – 7 May)                             | 5. Compression<br>Members (LSM)              | Types of sections used, Effective length, Radius of gyration, slenderness ratio and its limit, Permissible compressive stresses.  |
| 10 <sup>th</sup><br>(10 May – 15 May)                          | Class Test – 2  5. Compression Members (LSM) | In Third Week of May.  Analysis and Design of axially loaded angle struts with welded and riveted connection.   |
| 11 <sup>th</sup><br>(17 May – 22May)                           | 5. Compression<br>Members (LSM)              | Stanchion and Columns Types of sections-simple and built-up sections, Effective length, Introduction to lacing and battening (No numerical problem on Lacing and Battening) |
| 12 <sup>th</sup><br>(24 May – 29 May)                          | 6. Beams (LSM)                               | Different steel sections used; Simple and built-up sections Permissible bending stresses.   |

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| 13 <sup>th</sup>                       | House Test                                   | In First Week of June.  |
|--|--|---|
| (31 May – 5 June)                      | 6. Beams (LSM)                               | Design of simple I beam section, check for shear only.  |
| 14 <sup>th</sup><br>(7 June- 11 June)  | 6. Beams (LSM)                               | Design of simple I beam section, check for shear only<br>Continued  |
| 15 <sup>th</sup><br>(14 June- 19 June) | 6. Beams (LSM)                               | Introduction to Plate Girder: Various components and their functions. (No numerical Problem on Plate Girder)  |
| 16 <sup>th</sup><br>(21 June- 26 June) | 7. Plate Girder<br>(Conceptual<br>Knowledge) | Parts of plate girder a) Flange plate b) Flange angle c) Flange splice d) Web splice e) Vertical stiffener f) Intermediate stiffener g) Horizontal stiffener h) Bearing stiffener           |
| 17 <sup>th</sup><br>(28 June- 5 July)  | 7. Plate Girder<br>(Conceptual<br>Knowledge) | Parts of plate girder a) Flange plate b) Flange angle c) Flange splice d) Web splice e) Vertical stiffener f) Intermediate stiffener g) Horizontal stiffener h) Bearing stiffener Continued |

Sign of Teacher

Parveer Kum

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| Name of Faculty  | Sh. Parveen Kumar        |
|--|--------------------------|
| Discipline   | Civil Engineering        |
| Semester   | 6 <sup>th</sup>          |
| and the second s | Steel Structures Drawing |
| Subject<br>Lesson Plan Duration  | March 2021 – July 2021   |
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| 1. Details of splicing for steel columns Continued.  3rd  1. Details of splicing for steel columns Continued.  1. Details of splicing for steel columns Continued.  2. Column Beam Connection Drawings: a) Beam to beam connections (Seated and framed)  5rh  5rh  5rd  6rd  7rd  1. Column Beam Connection Drawings: b) Beam to beam connections (Seated and framed) Continued.  6rd  7rd  1. Column Beam Connection Drawings: b) Beam to column (Seated and framed) Continued.  7rd  2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) Continued.  2. Column Beam Connection Drawings: c) Column Beam Connection Drawings: d) Drawing Drawing Beam to Colu  | LON                |   |  |
|---|--------------------|---|--|
| 1. Details of splicing for steel columns.  2 nd 2 n   | Week               | Topics (Drawings)   |  |
| 1. Details of splicing for steel columns Continued.   2. March – 27 March    3 March – 3 April    3 Beam to beam connection Drawings:   5 April – 9 April    6 In   |                    | 1. Details of splicing for steel columns.   |  |
| 1. Details of splicing for steel columns Continued.  3rd  1. Details of splicing for steel columns Continued.  1. Details of splicing for steel columns Continued.  2. Column Beam Connection Drawings:   | _                  |   |  |
| (15 March – 20 March)  3rd  1. Details of splicing for steel columns Continued.  (22 March – 27 March)  4th  2. Column Beam Connection Drawings: a) Beam to beam connections (Seated and framed)  5th  (5 April – 9 April)  6th  (12 April – 17 April)  7th  (12 April – 17 April)  7th  2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) Continued.  7th  (19 April – 24 April)  8th  (26 April – 1 May)  9th  (20 Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base).  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  11th (17 May – 22May)  12th (24 May – 29 May)  12th (24 May – 29 May)  13th (31 May – 5 June)  13th (31 May – 5 June)  13th (31 May – 5 June)  14th (31 May – 5 June)  4. Preparation of drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  14th (31 May – 5 June)  4. Preparation of drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   | 2 <sup>nd</sup>    | 1. Details of splicing for steel columns Continued.   |  |
| 1. Details of splicing for steel columns Continued.   21. March - 27 March   2. Column Beam Connection Drawings:   a) Beam to beam connection Drawings:   b) Beam to column (Seated and framed) Continued.   7th   2. Column Beam Connection Drawings:   b) Beam to column (Seated and framed) Continued.   7th   2. Column Beam Connection Drawings:   b) Beam to column (Seated and framed) Continued.   2. Column Beam Connection Drawings:   b) Beam to column (Seated and framed) Continued.   2. Column Beam Connection Drawings:   c) Column bases (Slab base and gusseted base) Continued.   3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.   12th   3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.   12th   3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.   13th   3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.   13th   3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange an  | _                  |   |  |
| 22 March - 27 March   4th   2. Column Beam Connection Drawings: a) Beam to beam connections (Seated and framed)   5th   2. Column Beam Connections (Seated and framed)   3 Beam to beam connections (Seated and framed)   3 Beam to beam connections (Seated and framed)   4 Continued   5th  | 3rd                | 1. Details of splicing for steel columns Continued.   |  |
| 4th (30 March - 3 April) 5th (5 April - 9 April) (12 April - 17 April) (19 April - 24 April) (19 April - 1 May) (19 April - 1 May) (10 May - 15 May) (10 May - 22May)  11th (17 May - 22May) 12th (17 May - 22May) 12th (18 May - 7 May)  12th (19 May - 15 May) 12th (19 May - 15 May) 12th (19 May - 15 May) 12th (19 May - 15 May) 12th (19 May - 15 May) 12th (19 May - 15 May) 12th (19 May - 22May) 13th (20 May - 22May) 13th (21 May - 22May) 13th (22 May - 29 May) 13th (33 May - 5 June) 14th (44th (5 June - 11 June) 14th (7 June - 11 June) 14th (7 June - 11 June)   | _                  |   |  |
| (30 March – 3 April)  5 <sup>th</sup> (5 April – 9 April)  2. Column Beam Connection Drawings: a) Beam to beam connections (Seated and framed) Continued.  6 <sup>th</sup> (12 April – 17 April) b) Beam to column (Seated and framed) 7 <sup>th</sup> 2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) 2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) 2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) Continued.  2. Column Beam Connection Drawings: c) Column Beam Connection Drawings: design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  10 <sup>th</sup> (10 May – 15 May)  12 <sup>th</sup> (24 May – 29 May)  12 <sup>th</sup> (24 May – 29 May)  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (31 May – 5 June) | A <sup>th</sup>    | 2. Column Beam Connection Drawings:   |  |
| 2. Column Beam Connection Drawings:   a   Beam to beam connection Drawings:   a   Beam to beam connections (Seated and framed) Continued.   Class Test - 1  |                    | a) Beam to beam connections (Seated and framed)   |  |
| (5 April – 9 April)  6 th  (12 April – 17 April)  7 th  (19 April – 24 April)  8 th  (20 Column Beam Connection Drawings: b) Beam to column (Seated and framed).  2. Column Beam Connection Drawings: b) Beam to column (Seated and framed) Continued.  8 th  (20 Column Beam Connection Drawings: c) Column Beam Connectio                                       | 5 <sup>th</sup>    | 2. Column Beam Connection Drawings:   |  |
| Class Test – 1 2. Column Beam Connection Drawings: b) Beam to column (Seated and framed).  7th 2. Column Beam Connection Drawings: b) Beam to column (Seated and framed).  8th 2. Column Beam Connection Drawings: c) Beam to column (Seated and framed) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base).  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11th (17 May – 22May) 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  12th (24 May – 29 May) 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  13th (31 May – 5 June)  14th (31 May – 5 June)  14th (31 May – 5 June)  4. Preparation of drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing showing plan and elevation for a riveted plate girder with the given span, shape of the truss and the design data regarding the size of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing showing plan and elevation for a riveted plate girder with the given span, shape of the truss and the design data regarding the size of truss w   |                    | a) Beam to beam connections (Seated and framed) Continued.  |  |
| (12 April – 17 April)  b) Beam to column (Seated and framed).  7th  (19 April – 24 April)  8th  (26 April – 1 May)  9th  (3 May – 7 May)  (10 May – 15 May)  11th  (17 May – 22May)  12th  (24 May – 29 May)  13th  (31 May – 5 June)  14th  (13 May – 5 June)  14th  (17 June- 11 June)  14th  (7 June- 11 June)  (19 April – 24 April)  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base).  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  4. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    | Class Test – 1  |  |
| 2. Column Beam Connection Drawings:   b) Beam to column (Seated and framed) Continued.   8th   2. Column Beam Connection Drawings:   c) Colum   | -                  | 2. Column Beam Connection Drawings:   |  |
| (19 April – 24 April)  8th (26 April – 1 May)  9th (3 May – 7 May)  10th (10 May – 15 May)  11th (17 May – 22 May)  12th (24 May – 29 May)  13th (31 May – 5 June)  14th (17 June- 11 June)  b) Beam to column (Seated and framed) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  13th (31 May – 5 June)  14th (7 June- 11 June)  b) Beam to column (Seated and framed) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    | b) Beam to column (Seated and framed).  |  |
| (19 April – 24 April)  8th (26 April – 1 May)  9th (3 May – 7 May)  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  11th (17 May – 22May)  12th (24 May – 29 May)  13th (31 May – 5 June)  14th (17 June- 11 June)  b) Beam to column (seated and marked, with a size of the members and the given design data regarding the size of the members and the given design data regarding the size of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  12th (24 May – 29 May)  13th (31 May – 5 June)  14th (7 June- 11 June)  b) Beam to Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | 7 <sup>th</sup>    | 2. Column Beam Connection Drawings:   |  |
| 2. Column Beam Connection Drawings. c) Column bases (Slab base and gusseted base).  2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11 <sup>th</sup> (17 May – 22May)  12 <sup>th</sup> (24 May – 29 May)  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (7 June- 11 June)  2. Column bases (Slab base and gusseted base) Continued.  2. Column bases (Slab base and gusseted base) Continued.  2. Column bases (Slab base and gusseted base) Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    | b) Beam to column (Seated and framed) Continued.  |  |
| 2. Column Beam Connection Drawings: c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  12th (24 May – 29 May) 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  |                    | 2. Column Beam Connection Drawings:   |  |
| 2. Column Beam Connection Drawings. c) Column bases (Slab base and gusseted base) Continued.  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11 <sup>th</sup> (17 May – 22May)  12 <sup>th</sup> (24 May – 29 May)  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (17 June- 11 June)  2. Column Beam Connection Drawings. c) Column bases (Slab base and gusseted base) Continued. Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued. House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | (26 April – 1 May) | c) Column bases (Slab base and gusseted base).  |  |
| Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11 <sup>th</sup> (17 May – 22May)  12 <sup>th</sup> (24 May – 29 May)  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (17 June- 11 June)  10 Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | 9 <sup>th</sup>    | 2. Column Beam Connection Drawings:  (C) In base and gusseted base) Continued.  |  |
| Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11th (17 May – 22May)  12th (24 May – 29 May)  13th (31 May – 5 June)  14th (17 June- 11 June)  Class Test – 2 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    |   |  |
| design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web.  11th (17 May – 22May)  12th (24 May – 29 May)  13th (31 May – 5 June)  14th (7 June- 11 June)  design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    |   |  |
| of stiffeners, flange angles and cover plates with the web.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   | 10 <sup>th</sup>   | 3. Detailed drawing showing plan and elevation for the supports and connections   |  |
| 11 <sup>th</sup> (17 May – 22May)  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given of stiffeners, flange angles and cover plates with the web Continued.  12 <sup>th</sup> (24 May – 29 May)  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (7 June- 11 June)  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | (10 May – 15 May)  |   |  |
| design data regarding the sizes of its parts, with details at the supports of stiffeners, flange angles and cover plates with the web Continued.  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  |                    |   |  |
| of stiffeners, flange angles and cover plates with the web Continued.  12 <sup>th</sup> (24 May – 29 May)  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | 11 <sup>th</sup>   | the cizes of its parts, with details at the safe  |  |
| 3. Detailed drawing showing plan and elevation for a freeted party and connections design data regarding the sizes of its parts, with details at the supports and connections of stiffeners, flange angles and cover plates with the web Continued.  House Test  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  14 <sup>th</sup> (7 June- 11 June)  3. Detailed drawing showing plan and elevation for a riveted plate girder with the given of stiffeners, flange angles and cover plates with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    | of stiffeners, flange angles and cover plates with the web Continued.   |  |
| design data regarding the sizes of its parts, with details of continued.  13 <sup>th</sup> (31 May – 5 June)  14 <sup>th</sup> (7 June- 11 June)  design data regarding the sizes of its parts, with details of joints for the given span, for the given span span span span span span span spa   |                    | 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given  |  |
| of stiffeners, flange angles and cover plates with the given 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued. of stiffeners, flange angles and cover plates with details of joints for the given span, 4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   | 12 <sup>th</sup>   | the the cizes of its balls, will actually at  |  |
| 13 <sup>th</sup> 3. Detailed drawing showing plan and elevation for a riveted plate girder with the given design data regarding the sizes of its parts, with details at the supports and connection of stiffeners, flange angles and cover plates with the web Continued.  14 <sup>th</sup> 4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.  | (24 May – 29 May)  | of stiffeners, flange angles and cover plates with the web Continued.   |  |
| design data regarding the sizes of its parts, with the web Continued. of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   |                    | House Test  |  |
| design data regarding the sizes of its parts, with the web Continued. of stiffeners, flange angles and cover plates with the web Continued.  4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections.   | 13 <sup>th</sup>   | 3. Detailed drawing showing plan and elevation for a five constant of |  |
| 4. Preparation of drawing of a steel roof truss with details of the members and the shape of the truss and the design data regarding the size of the members and the connections.   |                    | design data regarding the sizes of its parts, with the web. Continued.  |  |
| (7 June- 11 June) shape of the truss and the design data regarding the connections.   |                    | of stiffeners, flange angles and cover places with details of joints for the given span,  |  |
| (7 June- 11 June) connections.  | 14 <sup>th</sup>   | 4. Preparation of drawing of a steel loss and the design data regarding the size of the members and the   |  |
| for steel roof truss with details of joints for the given specific  | 2.4                | snape of the truss and the design   |  |
|   | 15 <sup>th</sup>   | 4. Preparation of drawing of a steel roof truss with details of joints for the given span,  |  |

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| (14 June- 19 June)                     | shape of the truss and the design data regarding the size of the members and the connections Continued.  |  |
|--|--|--|
| 16 <sup>th</sup><br>(21 June- 26 June) | 4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections Continued. |  |
| 17 <sup>th</sup><br>(28 June- 5 July)  | 4. Preparation of drawing of a steel roof truss with details of joints for the given span, shape of the truss and the design data regarding the size of the members and the connections Continued. |  |

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| Name of Faculty      | Sh. Shashank Sharma    |
|----------------------|------------------------|
| Discipline           | Civil Engineering      |
| Semester             | 6 <sup>th</sup>        |
| Subject              | Irrigation Engineering |
| Lesson Plan Duration | March 2021 – July 2021 |

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04 Theory

| Week                  | Topics           | Theory   |
|-----------------------|------------------|--|
|                       | 1. Introduction  | 1.1 Definition and Necessity of Irrigation.                |
|                       |                  | 1.2 Historical development of Irrigation systems.          |
| 1 <sup>st</sup>       |                  |  |
| (8 March – 12 March)  | 2. Water         | 2.1 Principal crops in India and their water               |
|                       | Requirement of   | requirements.  |
|                       | Crops            |  |
|                       | 2. Water         | 2.2 Crop/base period.                                      |
| 2 <sup>nd</sup>       | Requirement of   | 2.3 Crop seasons –Kharif and Rabi.                         |
| (15 March – 20 March) | Crops            | 2.4 Duty, Factors affecting duty, Delta.                   |
|                       |                  | 2.5 Relationship between Base period, Duty and Delta.      |
|                       | 3. Methods of    | 3.1 Type of irrigation- Surface irrigation and sub-surface |
|                       | Irrigation       | irrigation.  |
|                       |                  | 3.2 Methods of supplying water to the field (Brief         |
| 3 <sup>rd</sup>       | N 2              | description)   |
| (22 March – 27 March) |                  | 3.2.1 Free Flooding  |
|                       |                  | 3.2.2 Border Flooding                                      |
|                       |                  | 3.2.3 Check Flooding                                       |
|                       |                  | 3.2.4 Furrow irrigation method                             |
|                       | 3. Methods of    | 3.2 Methods of supplying water to the field (Brief         |
|                       | Irrigation       | description)   |
|                       |                  | 3.2.5 Basin flooding                                       |
|                       |                  | 3.2.5 Sprinkler irrigation with its suitability            |
| . th                  |                  | 3.2.6 Drip Irrigation with its suitability                 |
| 4 <sup>th</sup>       | 4. Hydrology and |  |
| (30 March – 3 April)  | Run-off          | 4.1 Definition, importance of hydrology                    |
|                       |                  | 4.2 Hydrological cycle                                     |
|                       |                  | 4.3 Precipitation  |
|                       |                  | 4.3.1 Definition   |
|                       |                  | 4.3.2 Types of precipitation                               |
|                       |                  | 4.3.3 Rain gauges, types with diagrams                     |
|                       | 4. Hydrology and | 4.4 Runoff, Factors affecting runoff                       |
| 5 <sup>th</sup>       | Run-off          |  |
| (5 April – 9 April)   |                  |  |
|                       | 5. Dams & Canals | 5.1 Use of dams in irrigation                              |
|                       |                  | 5.2 Types of dams  |

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| ath   | Class Test – 1                  | In Third Week of April.                                   |
|---|---------------------------------|---|
| 6 <sup>th</sup><br>(12 April – 17 April)                  | 5. Dams & Canals                | 5.3 Construction of earthen, gravity and rock fill dams   |
| (12 April - 17 April)                                     |                                 | 5.4 Alluvial and non-alluvial canals                      |
|   | 5. Dams & Canals                | 5.5 Alignment of canal- ridge canal, contourcanal, side   |
|   |                                 | slope canal   |
| *6  |                                 | 5.6 Distribution system for canal irrigation- Main canal, |
| 7 <sup>th</sup>   |                                 | Branch canal, Distributaries, water course                |
| (19 April – 24 April)                                     |                                 | 5.7. Cross-section of canal showing- Side slope, Berm,    |
|   |                                 | Freeboard, Service road, Spoil bank, Dowel and            |
|   |                                 | Borrowpit (with their definition & functions)             |
|   | 5. Dams & Canals                | 5.8 Lining of canals and their types                      |
|   |                                 | 5.9 Maintenance of irrigation canal                       |
| -th   |                                 | 5.10 Closure of breaches                                  |
| 8 <sup>th</sup>   |                                 |   |
| (26 April – 1 May)  | 6. Well and Tube                | 6.1 Open well   |
|   | Well Irrigation                 | 6.1.1 Shallow well  |
|   |                                 | 6.1.2 Deep well   |
|   | 6. Well and Tube                | 6.2 Construction of open well                             |
|   | Well Irrigation                 | 6.3 Yield of open well (brief description, no derivation  |
| 9 <sup>th</sup>   |                                 | and numerical)  |
| (3 May – 7 May)   |                                 | 6.3.1 Pumping test  |
| ,   |                                 | 6.3.2 Recuperating test                                   |
|   |                                 | 6.4 Tube well   |
|   | Class Test – 2                  | In Third Week of May.                                     |
|   | 6. Well and Tube                | 6.5 Types of tube well (Brief description with neat       |
|   | Well Irrigation                 | diagram)  |
|   | Well III Bation                 | 6.5.1 Cavitytype tube well                                |
| 10 <sup>th</sup>  |                                 | 6.5.2 Screen type tube well                               |
| (10 May – 15 May)   |                                 | 6.5.3 Slotted type tube well                              |
|   |                                 | 6.6 Methods of boring tube wells                          |
|   |                                 | 6.7 Well development                                      |
|   |                                 | 6.8 Advantages and disadvantages of tube well irrigation  |
|   |                                 | over canal irrigation                                     |
|   | 7. Diversion Head               | 7.1 Definition, object, general layout, functions of      |
| a a th  | Works                           | different parts of diversion head works.                  |
| 11 <sup>th</sup>  | VVOIKS                          | 7.2 Types of Weir   |
| (17 May – 22May)  |                                 | 7.3 Difference between weir and barrage                   |
|   | O Cross Denings                 | 8.1 Functions and necessity of the following types:       |
| 12 <sup>th</sup>  | 8. Cross Drainage               | aqueduct, super Passage, level crossing, inlet and outle  |
|   | Works                           | 8.2 Sketches of the above cross drainage works            |
| (24 May – 29 May)   | 1                               | 8.2 Sketches of the above even                            |
| (24 May – 29 May)   | House Test                      |   |
| (24 May – 29 May)<br>                                     | House Test                      | In First Week of June.                                    |
| (24 May – 29 May)<br>———————————————————————————————————— | House Test                      |   |
|   | House Test  9. Regulatory works |   |

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|                    | 9. Regulatory works | 9.3 Outlets                                       |
|--------------------|---------------------|---|
| 14 <sup>th</sup>   |                     | 9.4 Canal Escapes                                 |
| (7 June- 11 June)  |                     | 9.5 Falls   |
|                    | 10. River Training  | 10.1 Control and river training                   |
| 15 <sup>th</sup>   | Works               | 10.2 Objective of river training                  |
| (14 June- 19 June) |                     | 10.3 Method of river training (Brief description) |
|                    | 10. River Training  | 10.3.1 Marginal embankment                        |
| - cth              | Works               | 10.3.2 Groynes                                    |
| 16 <sup>th</sup>   | VVOINS              | 10.3.3 Pitched island                             |
| (21 June- 26 June) |                     | 10.3.4 Guide banks                                |
|                    | 11. Water Logging   | 11.1 Definition                                   |
|                    | 22                  | 11.2 Causes                                       |
| 17 <sup>th</sup>   |                     | 11.3 Preventive & remedial measures               |
| (28 June- 5 July)  |                     | 11.4 Reclamation of water-logged areas            |
|                    |                     | 11.5 Well point system                            |

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| Name of Faculty        | Er. Amish Rehalia                    |
|------------------------|--------------------------------------|
| Course                 | Civil ENGG.                          |
| Semester               | 6 <sup>th</sup> (Civil Engg)         |
| Subject                | CONSTRUCTION MANAGEMENT AND ACCOUNTS |
| Lesson Plan Duration   | MARCH- JULY 2021                     |
| Work load ( ) Per Week | 04 Theory                            |

| Week                              | Theory   | Groups |  |
|-----------------------------------|--|--------|--|
| 1 <sup>51</sup><br>(8Mar-13 Mar)  | CONSTRUCTION MANAGEMENT Significance of construction management Main objectives of construction management and overview of the subject Functions of construction management, planning, organizing, staffing, directing, controlling and coordinating, meaning of each of these with respect to construction job. Classification of construction into light, heavy and industrial construction Stages in construction from conception to completion |        |  |
| 2 <sup>nd</sup><br>15Mar-20 Mar   | Construction Planning Importance of construction planning Stages of construction planning - Pre-tender stage - Contract stage, construction contracts and specifications Scheduling construction works by har charts - Definition of activity, identification of activities though - Limitations of bar charts   |        |  |
| 3 <sup>rd</sup><br>22Mar-27 Mar   | Scheduling by network techniques - Introduction to net work techniques;<br>PERT and CPM, differences between PERT and CPM terminology  |        |  |
| g <sup>th</sup><br>29Mar-3 april  | CPM Network including critical activities, slack, floats & critical path.  Types of organizations: Line, line and staff, functional and their characteristics  |        |  |
| 5 <sup>th</sup> 5Apr-9 april      | Types of organizations: Line, line and staff, functional and their characteristics   |        |  |
| 6 <sup>th</sup> 12Apr-17<br>april | Site Organization<br>Principle of storing and stacking materials at site<br>Location of equipment  |        |  |
| 19Apr-24 april                    | Site Organization Principle of storing and stacking materials at site Location of equipment Organizing labour at site Site layout of construction project  |        |  |
| 26 Apr-1 May                      | Site Organization Site layout of construction project  |        |  |
| 26 May1 May                       | Construction Labour<br>Conditions of construction workers in India, wages paid to workers  |        |  |
| 0 <sup>th</sup> 3May-7<br>May     | Important provisions of the following Acts: - Labour Welfare Fund Act 1936 (as amended) - Payment of Wages Act 1936 (as amended) - Minimum Wages Act 1948 (as amended)   |        |  |

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| 11 10May-<br>15May        | Site Organization<br>Important provisions of the following Acts: - Labour Welfare Fund Act 1936<br>(as amended)   |  |
|---------------------------|---|--|
| 12<br>17May-22 May        | Important provisions of the following Acts: - Labour Welfare Fund Act 1936 (as amended) - Payment of Wages Act 1936 (as amended) - Minimum Wages Act 1948 (as amended)                                  |  |
| 13<br>24May-29 May        | Control of Progress Methods of recording progress Analysis of progress  |  |
| 14<br>31May-5 june        | Taking corrective actions keeping head office informed  |  |
| 15.<br>7 june-11 june     | Arbitration and settlement<br>Inspection and Quality Control<br>Need for inspection and quality control   |  |
| 16.14 june—19<br>june     | Arbitration and settlement Inspection and Quality Control Need for inspection and quality control Principles of inspection Stages of inspection and quality control for - Earthwork - Masonry - RCC     |  |
| 17.<br>21 june—26<br>june | Accidents and Safety in Construction<br>Accidents-causes and remedies   |  |
| 18.<br>28 june—5july      | Accidents and Safety in Construction<br>Accidents-causes and remedies<br>Safety measures for - Excavation work - Hot bituminous works - Scaffolding,<br>form work<br>Safety campaign and safety devices |  |

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| Name of Faculty       | Er. Munish Kumar                         |
|-----------------------|--|
| Course                | CIVIL ENGG.                              |
| Semester              | 6 <sup>th</sup> (Civil Engg)             |
| Subject               | RAILWAYS, BRIDGES AND TUNNELS / ELective |
| Lesson Plan Duration  | MARCY - JULY 2021                        |
| Work load () Per Week | 04 Theory                                |

| Week                              | Theory   | Groups |
|-----------------------------------|--|--------|
| 1"<br>(8Mar-13 Mar)               | Introduction to Indian Railways . Railways surveys: Factors influencing the railways route, brief description of various types of railway survey . Classification of permanent way describing its component part         |        |
| 15Mar-20 Mar                      | Rail Gauge: Definition, types, practice in India. Rail – types of rails. Rail Fastening: Rail joints, types of rail joints, fastening for rails, fish plates, bearing plates   |        |
| 3 <sup>rd</sup><br>22Mar-27 Mar   | Sleepers: Functions of sleepers, types of sleepers,  |        |
| 4 <sup>th</sup><br>29Mar-3 april  | requirements of an ideal material of Sleepers  |        |
| 5 <sup>th</sup> 5Apr-9 april      | Ballast: Function of ballast, requirements of an ideal material of ballast   |        |
| 6 <sup>th</sup> 12Apr-17<br>april | Crossing and signaling: Brief description regarding different types of crossing/signalling   |        |
| 7 <sup>th</sup><br>19Apr-24 april | Maintenance of track: Necessity, track fixtures; maintenance and<br>boxing of ballast, maintenance gauges, tools. Drains, methods of<br>construction   |        |
| 8 <sup>th</sup><br>26 Apr-1 May   | Maintenance of track: Necessity, track fixtures; maintenance and boxing of ballast, maintenance gauges, tools. Drains, methods of construction   |        |
| 9 <sup>th</sup><br>26 May1 May    | Introduction Bridge-its function and component parts, difference<br>between a bridge and a culvert. Classification of Bridges Their<br>structural elements and suitability: According to life-permanent and<br>temporary |        |
| 10 <sup>th</sup> 3May-7<br>May    | According to deck level-Deck, through and semi-through According to material-timber, masonry, steel, RCC, pre-stressed IRC classification  |        |
| 11 10May-<br>15May                | Bridge Foundations: Introduction to open foundation pile foundation, well foundation. Piers, Abutments and Wing walls  |        |
| 12<br>17May-22 May                | Piers-definition, parts; types-solid (masonry and RCC), open<br>Abutment sand wing walls-definition, types of abutment (straight and<br>tee), abutment with wing walls (straight, splayed return and curved)             |        |
| 13<br>24May-29 May                | Bridge bearings Purpose of bearing; types of bearing-fixed plate, rocker and roller, . Maintenance of Bridges Inspection of bridges Routine maintenance  |        |
| 14<br>31May-5 june                | Definition and necessity of tunnels. Typical section of tunnels for a national highway and single and double broad gauge railway track.  |        |
| 15.<br>7 june-11 june             | Ventilation-necessity and methods of ventilation, by blowing, exhaust and combination of blowing and exhaust   |        |
| 16.14 june—19<br>june             | exhaust and combination of blowing and exhaust   |        |
| 17.21 june—26<br>june             | Drainage method of draining water in tunnels   |        |
| 18.<br>28 june—5july              | Lighting in tunnels & lining of tunnels  |        |

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#### **LESSON PLAN**

| N                                  |   | ON PLAN  | A                                 |  |
|------------------------------------|---|--|-----------------------------------|--|
| Name of Fac                        | ипу                                       |  | SH VIRENDER SINGH                 |  |
|                                    | epartment                                 |  | CIVIL ENGG. 6 TH Sixth Semester   |  |
| Semester                           |   |  |                                   |  |
|                                    | Subject Lesson Plan for the Duration      |  | PRACTICES IN COMMUNICATION SKILLS |  |
| Week                               |   | March TO JUMP 2021   |                                   |  |
| Ist<br>8 march<br>To<br>12 march   | 1 Exercises on phonetics                  | PRACTICAL G <sub>1</sub> + G <sub>2</sub> = 2+2  Exercises on phonetics Identifications of English phonemes Stress and Intonation Speaking exercises with emphasis on voice modulation (reading and extempore) |                                   |  |
| Ind<br>5 march<br>To<br>17 march   | 2 Group Discussion                        | Group Discussion   |                                   |  |
| 3 rd<br>27 march<br>To<br>rd Aprif | 3 Exercises on                            | Exercises on - Self-assessment using tools like SWOT analysis - Listening skills   |                                   |  |
| 4 Th<br>Abrit<br>To<br>Abrit       | Internet communication and Correspondence | 1 Resume writing 4.2 Covering letter   |                                   |  |
| 5 Th<br>1 April<br>To<br>1 May     | Internet communication and Correspondence | Agenda and Minutes of meeting  |                                   |  |
| 6 Th<br>may<br>12 May              | Internet communication and Correspondence | Business Correspondence  |                                   |  |
| 7 may<br>4 may<br>70 ne            | 5. Exercises on                           | Exercises on Body language and Dress sense   |                                   |  |
| 8Th<br>June<br>To<br>June          | Exercises on                              | Etiquettes and mannerism in difficult situations like business meetings, table manners, Telephone etiquette  |                                   |  |
| ath<br>June To<br>26June           | Exercises on                              | Manners related to opposite gender Cross-cultural Communication  |                                   |  |
| June To 5 July (                   | 6 Mock interviews                         | Mock interviews  | (telephonic/personal)             |  |
|                                    |   | Role plays for effective Communication   |                                   |  |

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