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| <b>Name of Faculty</b>                         |            | Mr. Mohan Lal / Mr. Vijay Pal  |
| <b>Discipline</b>                              |            | Civil Engineering  |
| <b>Semester</b>                                |            | 2nd  |
| <b>Subject</b>                                 |            | Civil Engineering Practice   |
| <b>Lesson Plan Duration</b>                    |            | From 15 Feb 2024 to 14 June 2024   |
| <b>Work load [Theory + Practical] Per Week</b> |            | [00+06]  |
| <b>Week</b>                                    | <b>Day</b> | <b>Practical</b>   |
| 1st  | 1st        | Details of spread footing foundations, load bearing and non-load bearing wall forgiven thickness of walls with the help of given data or rule of the thumb, showing offsets, position of DPC. The details of the concrete and brick apron have to be shown in the drawing. |
|  | 2nd        |  |
|  | 3rd        |  |
|  | 4th        | Details of spread footing foundations, load bearing and non-load bearing wall forgiven thickness of walls with the help of   |
|  | 5th        |  |
|  | 6th        |  |
| 2nd  | 1st        | Plans of 'T' and Corner junction of walls of 1 Brick, 1-1/2 Brick and 2 brick thick in English bond.   |
|  | 2nd        |  |
|  | 3rd        |  |
|  | 4th        | Plans of 'T' and Corner junction of walls of 1 Brick, 1-1/2 Brick and 2 brick thick in English bond.   |
|  | 5th        |  |
|  | 6th        |  |
| 3rd  | 1st        | Drawing plan, elevation of arches: circular arch, segmental arch (one sheet)   |
|  | 2nd        |  |
|  | 3rd        |  |
|  | 4th        | Elevation, sectional plan and sectional side elevation of flush door, glazed door  |
|  | 5th        |  |
|  | 6th        |  |
| 4th  | 1st        | Elevation, sectional plan and sectional side elevation of panelled door with wire gauge shutter.   |
|  | 2nd        |  |
|  | 3rd        |  |
|  | 4th        | Revision , Assignment  |
|  | 5th        |  |
|  | 6th        |  |
| 5th  | 1st        | Revision   |
|  | 2nd        |  |
|  | 3rd        |  |
|  | 4th        | sessional week   |
|  | 5th        |  |
|  | 6th        |  |

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|------|-----------------|--|
| 6th  | 1st             | Drawing details of damp proofing arrangement of roofs and walls as per BIS Code. Show the rain water drainage arrangement also.  |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | Drawing Damp Proofing details in basement of buildings   |
|      | 5th             |  |
|      | 6th             |  |
| 7th  | 1st             | Typical cross-section of a channel - L-section of a channel for given data - Typical cross section of an unlined and lined channel in cutting, partly cutting with given design data., |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | and partly filling and fully in filling with given design data.  |
|      | 5th             |  |
|      | 6th             |  |
| 8th  | 1st             | Layout plan of a canal head works  |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | Layout plan of a canal head works  |
|      | 5th             |  |
|      | 6th             |  |
| 9th  | 1st             | Revision   |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | Test   |
|      | 5th             |  |
|      | 6th             |  |
| 10th | 1st             | Revision & Assignment  |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | sessional  |
|      | 5th             |  |
|      | 6th             |  |
| 11th | 1st             | Draw the typical L-section of a weir   |
|      | 2nd             |  |
|      | 3rd             |  |
|      | 4th             | Draw the X-section of an Earthen Dam i) Homogeneous ii) Zoned type   |
|      | 5 <sup>th</sup> |  |
|      | 6 <sup>th</sup> |  |

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|------|-----|---|
| 12th | 1st | Draw the X-section of iii) Diaphragm type                 |
|      | 2nd |   |
|      | 3rd |   |
|      | 4th | Cross section of a tube well                              |
|      | 5th |   |
|      | 6th |   |
| 13th | 1st | Layout and cross section of rain water harvesting system. |
|      | 2nd |   |
|      | 3rd |   |
|      | 4th | Revision , Assignment                                     |
|      | 5th |   |
|      | 6th |   |
| 14th | 1st | Revision  |
|      | 2nd |   |
|      | 3rd |   |
|      | 4th | Sessional   |
|      | 5th |   |
|      | 6th |   |
| 15th | 1st | Revision  |
|      | 2nd |   |
|      | 3rd |   |
|      | 4th | Revision  |
|      | 5th |   |
|      | 6th |   |