**NAME OF THE FACULTY** : Suman Yadav/ Krishan Kumar

**DISCIPLINE** : Civil Engineering

**SEMESTER** : II

**SUBJECT** : Civil Engineering Practices

**DURATION** : - 15 weeks (from 15/02/2024- J14/06/2024)

**LECTURE PER WEEK** :- 06

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| **WEEK** | **Practical** | |
| **Lecture**  **/ Hrs** | **TOPIC**  **(Including Assignment/Test)** |
| 1st | 1 | **Introduction of subject** |
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| 2 | **Drawing No. 1** Details of spread footing foundations, load bearing and non-load bearing wall for given 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. |
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| 2nd | 3 | **Drawing No. 2** -Plans of ‘T’ and Corner junction of walls of 1 Brick, 1-1/2 Brick and 2 brick thick in English bond. |
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| 4 | **Drawing No. 3**- Drawing plan, elevation of arches: circular arch, segmental arch (one sheet) |
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| 3rd | 5 | **Drawing No. 4 -**Elevation, sectional plan and sectional side elevation of flush door, glazed door, panelled door with wire gauge shutter. |
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| 6 | Practice Drawing no.1,2,4 |
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| 4th | 7 | **Assignment-1** |
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| 8 | **Class Test/Quiz** |
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| 5th | 9 | **Revision** |
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| 10 | **Sessional Test-1** |
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| 6th | 11 | **Drawing No. 5-** Drawing details of damp proofing arrangement of roofs and walls as per BIS Code. Show the rain water drainage arrangement also.Practice Drawing no.5 |
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| 12 | **Drawing No. 6** -Drawing Damp Proofing details in basement of buildings |
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| 7th | 13 | **Drawing No.** 7 Typical cross-section of a channel - L-section of a channel for given data |
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| 14 | Typical cross section of an unlined channel in cutting, partly cutting, and partly filling and fully in filling with given design data. |
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| 8th | 15 | Typical cross section of lined channel in cutting, partly cutting, and partly filling and fully in filling with given design data. |
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| 16 | Practice Drawing no.7 |
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| 9th | 17 | Layout plan of a canal head works |
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| 18 | **Quiz/ Class Test** |
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| 10th | 19 | **Assignment-2** |
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| 20 | **Sessional Test-2** |
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| 11th | 21 | **Drawing No. 9-** Draw the typical L-section of a weir Rectangular type |
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| 22 | **Drawing No. 9-** Draw the typical L-section of a weir Trapezoidal type |
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| 12th | 23 | **Drawing No. 10 -** Draw the X-section of an Earthen Dam i) Homogeneous |
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| 24 | **Drawing No. 10-** Draw the X-section of an Earthen Dam ii) Zoned type |
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| 13th | 25 | **Drawing No. 10-** Draw the X-section of an Earthen Dam iii) Diaphragm type |
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| 26 | **Drawing No. 11** Cross section of a tube well, slotted type, strainer type |
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| 14th | 27 | **Drawing No. 12** Layout and cross section of rain water harvesting system. |
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| 28 | **Quiz /Assignment- 3** |
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| 15th | 29 | **Revision /Class Test** |
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| 30 | **Sessional Test- 3** |
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