

Discipline: - Semester: - 4th
 Subject: - Civil Engg
 Hydraulic & Irrigation Engg
 No. of days per week class allotted: - 06
 Name of the teaching Faculty: - Rajesh Kumar Bherdalsai
 Semester from: - 10.03.22 - 10.06.22
 No. of Weeks: - 14

| Date | No. of days | Topic |
|----------|-------------|---|
| 07/03/22 | 1st | |
| | 2nd | |
| to | 3rd | |
| 12/03/22 | 4th | Properties of fluid |
| | 5th | Intensity of pressure, Atmospheric pressure |
| | 6th | Gauge, Absolute & vacuum pressure |
| | 1st | Pressure head, Pressure gauge |
| 14/03/22 | 2nd | Pressure exerted on immersed surface |
| to | 3rd | Total & Resultant pressure |
| 19/03/22 | 4th | Basic Equation of fluid flow |
| | 5th | ← Dahanurima → |
| | 6th | ← Holi Day → |
| | 1st | Application of fluid flow |
| 21/03/22 | 2nd | Flow over, Notches |
| to | 3rd | Discharge through Notches |
| 26/03/22 | 4th | Flow over Weir & Application |
| | 5th | Types of flow through pipes |
| | 6th | Head losses |
| | 1st | Different types of Major & Minor |
| 28/03/22 | 2nd | Simple Numerical Problem |
| to | 3rd | Darcy's Equation |
| 02/04/22 | 4th | Total energy line |
| | 5th | ← Uttkal Diwasa → |
| | 6th | Hydraulic gradient (concept) |

04/04/22 1st Types of channel section
 2nd Rectangular, Trapezoidal, Circular
 3rd Discharge formula
 4th Simple Numerical Problems
 5th Best theory and minimum quantity
 6th Best economical section

11/09/22 1st types of pumps
 2nd Centrifugal pump
 3rd Basic principle (Centrifugal pump)
 4th Mohankumar (Sankar)
 5th Good friend
 6th Operations, Discharge (centrifugal pump)

18/04/22 1st flow meter efficiency (e.p)
 2nd Restricting pump
 3rd Types of reciprocating pump
 4th Discharge (reciprocating pump)
 5th flow meter (reciprocating pump)
 6th Efficiency (reciprocating pump)

10/04/22 1st Hydraulic cycle
 2nd Pointa, types, intensity
 3rd Hydrograph, Estimation (Ratna)
 4th Rainfall & Runoff
 5th Concept of catchment area
 6th Dicken and Perry formula

02/05/22 1st Definition of irrigation, Benefits
 2nd ed-wal-pir
 3rd Types of irrigation
 4th Crop Season
 5th Duty and Delta and Base period
 6th Command area

09/05/22 1st Culturable Command area
 2nd Time factor, Crop Ratio
 3rd Canal irrigation, Types
 4th Perennial irrigation
 5th Different component of irrigation land
 6th checker of different canal c/s

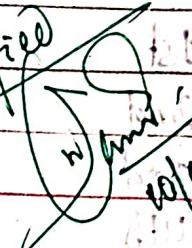
16/05/22 1st Budha Punjara
 2nd Classification of canal
 3rd Various types of canal lining
 4th Advantage & disadvantages
 5th Cause & effect of water logging
 6th Definition, prevention & remedial

03/05/22 1st Division head work
 2nd Barrage Layout & function
 3rd siltlog and scouring
 4th function of regulator structure
 5th (over drainage, Day structure)
 6th Concept of back drainage (silt)

Sabitai Amabashya

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| 30/5/22 | 1st | Necessity of storage reservoir |
| to | 2nd | Types of Dam |
| 04/06/22 | 3rd | Earth Dam (Types) |
| | 4th | Gravity Dam (Types & cause of failure) |
| | 5th | Protective measures (GD) |
| | 6th | |

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| 06/06/22 | 1st | spillway |
| to | 2nd | Types of spillway |
| 11/06/22 | 3rd | Concept with sketch of spillway |
| | 4th | Necessity of spillway |
| | 5th | Questions Discussion |
| | 6th | |

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 10/08/22