

INSTITUTE OF PETROLEUM ENGINEERS, DEHRADUN

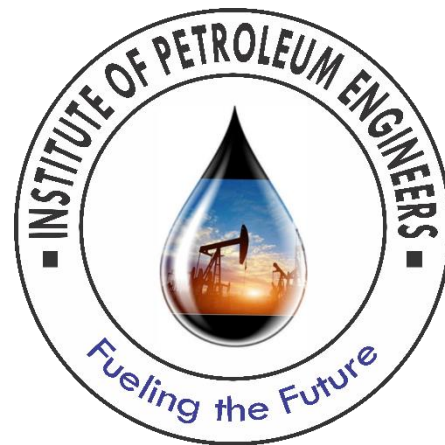
NUMERICAL DISCUSSION

RESOURCES

GATE PETROLEUM

**FACULTY**

**MR. HEMANT CHOUDHARY**



<b>Resource</b>
Lecture 1   Detail explanation of Modified Vogel's Equation
Lecture -2   Drag force and settling velocity
Lecture 3   Fluid Potential and Rig Hoisting Efficiency
Lecture 4   DRILLING RIG PRACTICE SET 1   NUMERICAL
Lecture 5   Rig Numerical and Concentration Concept
Lecture 6   Viscosity Numerical
Lecture 7   Relative uncertainty and porosity Numerical
Lecture 8.1   Alkalinity 1.1   Drilling Fluid
Lecture 8   Alkalinity   Drilling Fluid
Viscosity numerical
Porosity Numerical
Concentration Numerical
IPR Numerical
Lecture 9   Capillary Pressure Numerical
Capillary Pressure Numerical
Lecture 10   Doubts Discussion   Capillary Pressure   Derrick Efficiency  API Water Loss
Lecture 11   Gas Condensate
Packer Calculation
Lecture - 12   Packer Calculation
Lecture 13 Doubts discussion and Decline curve Numerical

Lecture -14   Packer calculation
Lecture -15   Decline curve
Lecture 16   Separator Design
Lecture 17   Q. 30 of quiz -2 and vertical separator
Lecture 18   3 phase separator
lecture-19-direction drilling basic
Lecture 20   Ternary Diagram (Chemical Flooding)
Well control dpp
Lecture 21   Well Bore Curvature   Well control   Kick Tolerance
Lecture 22   Quiz 2.1 Discussion
Lecture 23   Introduction   GATE 2021 NUMERICAL DISCUSSION
UNIT CONVERSION PRACTICE QUESTIONS
Lecture 24   Unit Conversion Basics
Lecture 25   Water flooding
LECTURE 26    SKIN AND FLOW EFFICIENCY NUMERICAL
FLOW EFFICIENCY NUMERICAL
FLOW EFFICIENCY NUMERICAL DISCUSSION
POROSITY CHANGE DUE TO ACIDIZING
Practice Questions Sheet (POROSITY CHANGE )

## NOTE:

1.MORE LECTURES WILL BE UPLOADED AS PER THE NEED OF THE STUDENTS OR CHANGES IN SYLLABUS.

2.MORE NUMERICAL DISCUSSION LECTURES WILL BE UPLOADED REGULARLY.