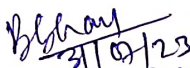
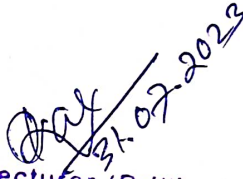


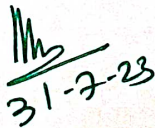
Discipline: <b>Drilling Engineering</b>	Semester: <b>5<sup>TH</sup> Semester</b>	Name of the Teaching Faculty: <b>Er. Brushabhanu Sahoo</b>	
Subject(Lab): <b>MUD &amp; CEMENT TECHNOLOGY LAB</b> Subject Code: <b>PR3</b>	No. of Periods / week: <b>04</b>	Session: <b>Winter 2023</b> No of weeks: <b>15</b> Semester from date <b>01.08.2023 to 30.11.2023</b>	
<b>Week</b>	<b>Class Day</b>	<b>Lab</b>	<b>Remarks</b>
<b>1<sup>st</sup></b>	<b>1<sup>st</sup></b>	Study and sketching of simplex reciprocating pump.	
	<b>2<sup>nd</sup></b>	Study and sketching of simplex reciprocating pump.	
	<b>3<sup>rd</sup></b>	Study and sketching of simplex reciprocating pump.	
	<b>4<sup>th</sup></b>	Study and sketching of simplex reciprocating pump.	
<b>2<sup>nd</sup></b>	<b>1<sup>st</sup></b>	Study and sketching of duplex reciprocating pump.	
	<b>2<sup>nd</sup></b>	Study and sketching of duplex reciprocating pump.	
	<b>3<sup>rd</sup></b>	Study and sketching of duplex reciprocating pump.	
	<b>4<sup>th</sup></b>	Study and sketching of duplex reciprocating pump.	
<b>3<sup>rd</sup></b>	<b>1<sup>st</sup></b>	Study and sketching of triplex reciprocating pump.	
	<b>2<sup>nd</sup></b>	Study and sketching of triplex reciprocating pump.	
	<b>3<sup>rd</sup></b>	Study and sketching of triplex reciprocating pump.	
	<b>4<sup>th</sup></b>	Study and sketching of triplex reciprocating pump.	
<b>4<sup>th</sup></b>	<b>1<sup>st</sup></b>	Study and sketching of centrifugal pump.	
	<b>2<sup>nd</sup></b>	Study and sketching of centrifugal pump.	
	<b>3<sup>rd</sup></b>	Study and sketching of centrifugal pump.	
	<b>4<sup>th</sup></b>	Study and sketching of centrifugal pump.	
<b>5<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of density of drilling fluid by using Mud balance.	
	<b>2<sup>nd</sup></b>	Determination of density of drilling fluid by using Mud balance.	
	<b>3<sup>rd</sup></b>	Determination of density of drilling fluid by using Mud balance.	
	<b>4<sup>th</sup></b>	Determination of density of drilling fluid by using Mud balance.	
<b>6<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of viscosity of drilling fluid by using Marsh funnel.	
	<b>2<sup>nd</sup></b>	Determination of viscosity of drilling fluid by using Marsh funnel.	
	<b>3<sup>rd</sup></b>	Determination of viscosity of drilling fluid by using Marsh funnel.	
	<b>4<sup>th</sup></b>	Determination of viscosity of drilling fluid by using Marsh funnel.	
<b>7<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of gel strength of drilling fluid by using Fann V-G meter.	
	<b>2<sup>nd</sup></b>	Determination of gel strength of drilling fluid by using Fann V-G meter.	
	<b>3<sup>rd</sup></b>	Determination of gel strength of drilling fluid by using Fann V-G meter.	
	<b>4<sup>th</sup></b>	Determination of gel strength of drilling fluid by using Fann V-G meter.	
<b>8<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of filtration loss by using Standard filter press.	
	<b>2<sup>nd</sup></b>	Determination of filtration loss by using Standard filter press.	
	<b>3<sup>rd</sup></b>	Determination of filtration loss by using Standard filter press.	
	<b>4<sup>th</sup></b>	Determination of filtration loss by using Standard filter press.	
<b>9<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of sand content of drilling fluid by using Sand content testing kit.	
	<b>2<sup>nd</sup></b>	Determination of sand content of drilling fluid by using Sand content testing kit.	
	<b>3<sup>rd</sup></b>	Determination of sand content of drilling fluid by using Sand content testing kit.	
	<b>4<sup>th</sup></b>	Determination of sand content of drilling fluid by using Sand content testing kit.	
<b>10<sup>th</sup></b>	<b>1<sup>st</sup></b>	Determination of pH value of drilling fluid by using pH meter.	
	<b>2<sup>nd</sup></b>	Determination of pH value of drilling fluid by using pH meter.	
	<b>3<sup>rd</sup></b>	Determination of pH value of drilling fluid by using pH meter.	
	<b>4<sup>th</sup></b>	Determination of pH value of drilling fluid by using pH meter.	
<b>11<sup>th</sup></b>	<b>1<sup>st</sup></b>	Study and sketching of cementing plugs.	
	<b>2<sup>nd</sup></b>	Study and sketching of cementing plugs.	



	3 <sup>rd</sup>	Study and sketching of cementing plugs.	
	4 <sup>th</sup>	Study and sketching of cementing plugs.	
12 <sup>th</sup>	1 <sup>st</sup>	Study and sketching of wall scratchers.	
	2 <sup>nd</sup>	Study and sketching of wall scratchers.	
	3 <sup>rd</sup>	Study and sketching of wall scratchers.	
	4 <sup>th</sup>	Study and sketching of wall scratchers.	
13 <sup>th</sup>	1 <sup>st</sup>	Study and sketching of casing centralizers.	
	2 <sup>nd</sup>	Study and sketching of casing centralizers.	
	3 <sup>rd</sup>	Study and sketching of casing centralizers.	
	4 <sup>th</sup>	Study and sketching of casing centralizers.	
14 <sup>th</sup>	1 <sup>st</sup>	Study and sketching of guide shoe and float collar.	
	2 <sup>nd</sup>	Study and sketching of guide shoe and float collar.	
	3 <sup>rd</sup>	Study and sketching of guide shoe and float collar.	
	4 <sup>th</sup>	Study and sketching of guide shoe and float collar.	
15 <sup>th</sup>	1 <sup>st</sup>	Study and sketching of cement mixture from cut section.	
	2 <sup>nd</sup>	Study and sketching of cement mixture from cut section.	
	3 <sup>rd</sup>	Study and sketching of cement mixture from cut section.	
	4 <sup>th</sup>	Study and sketching of cement mixture from cut section.	

  
**Er. Brushabhenu Sahoo**  
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 31-7-23  
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