

<b>5<sup>th</sup> Semester</b>	<b>RML5C201</b>	<b>Coal Geology and Coal Preparation Lab</b>	<b>L-T-P 0-0-3</b>	<b>2 Credits</b>
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1. Proximate Analysis, Calorific value of coal
2. Free swelling index, coking index determination,
3. HGI test of a coal sample
4. Comparison of crushing characteristics of coal by different crushers
5. Sink –float test including ash analysis and plotting of washability curves.
6. Bench scale washing of coal in a static bath and calculation of probable error and imperfection in separation.
7. Determination of size and density profile of stratified jig bed.
8. Demonstration of centrifugal separators such as Water-only cyclone, Heavy media Cyclone/Separator, Vorsyl separator