

## **ANNEXURE – I SYLLABUS FOR EXAMINATION FOR SIRDAR'S CERTIFICATES OF COMPETENCY**

Method of examining roof and sides of working places and roadways etc.

Method of timbering and setting of supports, roof bolting, anchorage testing, withdrawals of supports, Preliminary idea about Salvaging of longwall face equipment.

Safety issues regarding Stowing operations, working near water bodies or unconsolidated mass.

Examination of Sumps.

Shot-firing and transport and use of explosives in mines.

Ventilation and mine gases- elementary.

Safety issues in Opencast Workings over developed pillars, Working at heights, manual handling / handling of heavy materials, Marching of heavy machines.

Preliminary idea about Reclamation operation in opencast mining.

Preliminary understanding about Safety Management Plan.

Provisions of the Coal Mines Regulations 2017 , Rules and Bye-laws made under the Mines Act 1952, relating to the safety of persons employed in mines in general and to the duties of Sirdar's and Shotfirer's in particular.

Writing of reports.

# MINING GYAN

