

**ANNEXURE
SYLLABUS FOR EXAMINATION FOR GAS TESTING
CERTIFICATE OF COMPETENCY
(UNDER METALLIFEROUS MINES REGULATIONS, 1961)**

1. Occurrence of gases in mines, their properties and physiological effects; detection and measurement
2. Use of gas detectors such as methanometers, Multi Gas Detectors, Toximeter, Oximeter, Explosimeter, etc. for detection of Mine gases.
3. Effect of inflammable gas in different percentages and the difference between combustion and explosion.
4. Construction, assembly and working principle of flame safety lamp, methods of testing for inflammable gas with a flame safety lamp.
5. Provisions of the Metalliferous Mines Regulations 1961 made under the Mines Act, 1952, relating to safety lamps and to the presence of inflammable and noxious gas in a mine.

MINING GYAN

