

## PMN6D202 COAL BED METHANE (HONOR)

### **Module-I:**

Coalification process and coal grades, methane generation and storage in coal, Geological control in Coal Bed Methane exploration, methane adsorption, desorption in coal

### **Module-II:**

Coal as CBM reservoir: In place methane estimation, transportation of methane in coal bed, drilling and completion of a CBM well, identification and characterization of coal beds by well logs

### **Module-III:**

Hydraulic fracturing in coal beds, production performance of a CBM well, water drainage and gas-water separation, Gas volume measurement

### **Module-IV:**

Compression and transport, liquefaction and utilization, enhanced recovery by CO<sub>2</sub> and N<sub>2</sub> adsorption method