**DSPM UNIVERSITY, RANCHI**

**M.Sc. Geology**

**Semester-IV Date-10/6/2020**

**Paper Code: CC GEOL 401 [GEOEXPLORATION]**

**SAMPLE QUESTION PAPER FOR END SEMESTER EXAMINATIONS**

**SECTION-A**

*(Short answer type questions)*

1. Write notes on the following:
2. Primary and secondary geochemical dispersion patterns
3. Soil and stream sediment sampling
4. Discuss the role of geophysics in oil, mineral and ground water exploration.
5. Describe varioius drilling methods used in mineral exploration.
6. Give an account on the prospecting criteria of various mineral deposits.

**SECTION-B**

*(Long answer type questions)*

1. Describe the fundamental principle of gravitation and how the various gravity methods are used for mineral exploration.
2. Discuss the different stages and practices of geological prospecting, regional and detailed

exploration.

1. Describe what are primary and secondary waves and how various seismic methods are used for mineral exploration.
2. Describe the various magnetic methods used for mineral exploration.