

S.No. 5435

16 SNMEGL 2

(For candidates admitted from 2016-2017 onwards)

U.G. DEGREE EXAMINATION, APRIL 2022.

Part IV — Geology — Non Major Elective

**INTRODUCTION TO MINERALS, ROCKS AND
FOSSILS**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Define an ore with examples.
2. Define streak. Give an example.
3. Mention any four minerals required for cement industry
4. What are the minerals required for glass industry?
5. Define sedimentary rocks with examples.
6. Define ornaments with examples
7. What are conglomerates?
8. Define charnockite.

9. What is meant by perm mineralization?
10. Define Glossopieris

PART B — (5 × 5 = 25)

Answer ALL questions choosing either (a) or (b).

11. (a) Describe the physical properties of pyroxene group of minerals.

Or

- (b) Briefly explain the various physical properties of minerals.
12. (a) Describe the minerals used for atomic industry.

Or

- (b) Write short notes about gemstones.
13. (a) Briefly explain the textures of igneous rocks.

Or

- (b) Explain the various engineering properties of building stones are related to architecture.
14. (a) Describe the texture, mineralogy and origin of dolerite.

Or

- (b) Briefly explain the texture of metamorphic rocks.

15. (a) Briefly explain the mode of preservation and types of fossils.

Or

- (b) Explain the morphological characteristics of pelecypoda.

PART C — (3 × 10 = 30)

Answer any THREE questions out of five.

16. Describe the physical properties and chemical composition and of feldspar group.
17. Describe in detailed about the glass and ceramic industry.
18. Write in detailed about the structures and textures of sedimentary rocks.
19. Elaborate on texture, mineralogy and origin of anorthosite and pegmatite.
20. Give an account on the geological distribution and morphological characters of brachiopods with neat diagram.