

**HS/XI/Sc/Gl/Pr/22**

**2022**

**GEOLOGY**

**( Practical )**

*Full Marks : 30*

*Time : 4 hours*

*The figures in the margin indicate full marks for the questions.*

1. Draw a clinographic sketch of the supplied crystal model. Name the form(s) developed.  
 $2 + 1 = 3$
2. Identify the supplied mineral hand specimens (4 Nos.) on the basis of their physical properties.  
 $1\frac{1}{2} \times 4 = 6$
3. Identify the mineral under the microscope on the basis of its optical characters. Draw a neat sketch.  
 $3 + 1 = 4$
4. Identify the supplied rocks (4 Nos.) on the basis of their mineral constituents and texture/structure.  
 $1\frac{1}{2} \times 4 = 6$

5. Draw a profile along X-Y of the supplied geological map. Find the dip and strike of the rocks. Write a note on the topography of the area.  
 $2 + 2 + 2 = 6$

6. Field work and viva voce.  
 $3 + 2 = 5$

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*(Turn Over)*

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