

2021

**GEOGRAPHY**

(Honours)

**Paper: GEOH DC-1A**

**(Geotectonics and Geomorphology)**

**[CBCS]**

**Full Marks: 25**

**Time: Two Hours**

The figures in the margin indicate full marks.

candidate s are required to give their answers in their own words as far as practicable.

**Section- A**

Answer any one of the following questions.  $10 \times 1 = 10$

1. a. What do you mean by seismological studies in Geology?  
b. Describe the role of seismology in the study of the internal structure of the earth. 3+7
2. a. The 'landscape is a function of structure, process and time'- explain the statement made by W.M. Davis and relate it with the fundamental concepts of Geomorphology proposed by W. D. Thornburry.  
b. What do you mean by dynamic equilibrium? 7+3

**Section- B**

Answer any three of the following questions.  $5 \times 3 = 15$

3. Comment on the earth's tectonic and structural evolution in Precambrian eon. 5
4. Comment on the slope decline theory of Davis. What is slope element? 4+1
5. Identify major fluvio-glacial landforms with proper illustrations. 5
6. Describe the origin and development of the delta at a river confluence. 5
7. Comment on the global isostatic adjustment proposed by Airy. What is subcrustal flow? 4+1
8. Narrate the evolution of the drainage system over the uniclinal structure. 5