PD-399

(583) M.Sc. GEOLOGY (THIRD SEMESTER)

Examination Dec.-2020

Compulsory/Optional

Group -

Paper - III

Name/Title of Paper- GEOMORPHOLOGY AND REMOTE SENSING

Time:- Three Hours

Maximum Marks- 080

Minimum Passing Marks-029

नोट: दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित है।

Note: Answer From Both the Section as Directed. The Figures in the right-hand margin indicate marks.

Section-A

1. Answer the following questions: **1x10=10**

(a) Name three agents of physical weathering?

(b) Give name of drainage pattern which looks like the branching pattern of tree roots?

(c) Define craters?

(d) Sinkholes are indicators of which type of topography?

(e) Name the geomorphic regions of India?

(f) What do you know about drainage basin (definition only)?

(g) Define remote sensing in simple words?

(h) What is aerial photography, used for?

(i) What are three uses of satellites?

(j) Name any two Indian satellites?

2. Answer the following short-answer type questions: **2x5=10**

(a) Explain weathering and erosion?

(b) What are three features formed by glacial deposition?

(c) What is Basin morphometry?

(d) What are various types of sensors used in remote sensing?

(e) Describe the applications of remote sensing in geology?

Section-B

Answer all questions: **12x5=60**

3. Explain in details the "Cycle of Erosion".

Or

Write a note on Drainage pattern & their significance.

4. Describe "Karst topography" with the help of suitable diagrams.

Or

Describe various types of Eolian land forms.

5. Discuss in detail about geomorphic regions of India.

Or

Write a note on concept of Remote Sensing.

6. Describe principles of remote sensing. What are the advantages and limitations of remote sensing.

Or

Write a note on photogrammetry.

7. Describe applications of remote sensing in groundwater evaluation.

Or

Write a note on Indian space mission.

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