

3. Describe different types of physical weathering of rocks.
  4. Describe the prevention measure of soil erosion.
  5. Describe the classification of soil by U.S.D.A.
  6. Explain how soil erosion impact of soil fertility.
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Total Pages—4

**22-23/13504****B.Sc. 1st Semester (Honours) Examination, 2022-23****FORESTRY****COURSE ID: 13504 COURSE CODE: SH/FST/FB 1101****COURSE TITLE: Geology and Soil****(New Syllabus)***Time : 2 Hours**Full Marks : 50**The figures in the right hand margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.***I. Answer any Ten questions : 1×10=10**

1. What is soil?
2. What is mineral?
3. What is Pegmatitic igneous rock?
4. What is basic igneous rock?
5. What is Aeolian sedimentary rock?
6. What is physical metamorphism?

7. Name the metamorphic from of Granites.
8. What is weathering?
9. What is Loamy soil?
10. What is geology?
11. What is Molisols?
12. What is Khadar?
13. What is illuvition?
14. What is physical weathering?
15. What is soil horizon?

**II.** Answer any *ten* from the following questions :

2×10=20

1. Define Pedology.
2. Define Mesa.
3. Define metamorphism.
4. Write down the name of the major element of earth crust.

5. What is Batholothus?
6. Distinguished between Plutonic and Hypabyssal igneous rock.
7. Distinguished between Sill and Dyke.
8. Define Soil erosion.
9. Define soil profile.
10. Define leaching.
11. "Climate is an important factor to formation of soil" - explain it?
12. Write down the properties of Forest soil.
13. What are the characteristics of Red soil?
14. Define soil degradation.
15. What are the characteristics of agricultural soil?

**III.** Answer any *four* of the following questions : 5×4=20

1. Describe the classification of igneous rock.
2. Briefly explain the soil forming factors.