

KERALA AGRICULTURAL UNIVERSITY

B.Sc.(Hons) Forestry 2018 Admission II Semester Final Examination-August 2019

Geology and Soils (1+1)

Marks: 50 Time: 2 hours (10x1=10)Fill in the Blanks I phase is composed of organic and inorganic constituents. 1 The example for primary mineral is _____. 2 The chemical composition of Hematite is ___ 3 is the study of origin and nature of rocks. 4 5 Marble is formed from State TRUE or FALSE Soil is a storehouse of essential plant nutrients. 6 The metamorphic rocks are formed by the solidification of molten material. 7 Igneous rocks are classified as acidic and basic rocks based on iron content. 8 Carbon dioxide combines with water to form carbonic acid. 9 Granite rock is composed of single mineral. 10 (5x2=10)Write Short notes on any FIVE of the following II Particle density. 1 2 Soil structure. Types of soil pores. 3 Composition of soil air. 4 Soil temperature. 5 Soil consistency. 6 7 Weathering. (5x4=20)Answer any FIVE of the following. Ш Classify the igneous rocks based on their silica content. Give example for each group. 1 What are the factors influencing for bulk density of soil and explain. 2 What are the conditions essential for soil structure development and explain. 3 Types of soil structure. 4 Define soil texture and write the classification of soil texture according to ISSS and USDA. 5 Give the soil moisture classification and explain them in brief. 6 Explain about classification of minerals based on origin. 7 Answer any ONE of the following (1x10=10)IV Chemical weathering. Explain with different processes involved in chemical weathering. 1 What are soil forming factors and explain all the soil farming factors in detail. 2
