

2209A017

SECTION -B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Define the texture, structure in soil? Briefly, explain about the soil water relationship?
2. What is tillage? Define the primary and secondary tillage? List out the advantages and disadvantages of tillage
3. Explain the stepwise procedure for formation and composition of soil?
4. How can you classify the soil? What are the methods we are generally used for determination of soil texture? Write a procedure for any one of the methods.
5. Define the texture, structure in soil? Briefly, explain about the soil water relationship?
6. What is meant by acid soils? Write about the characteristics of acid soils.
7. What is meant by reclamation of soil? When is it required in soil and why?
8. Differentiate between the acid soils and saline soils in detail.

==END OF PAPER==

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MASTER OF VOCATION
Agriculture

Subject: Soil Science
Subject Code: AGM-905

Semester: Third
September 2022

Theory (External): 70 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number

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SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

- A. What is the fraction of soil organic matter which is soluble both in alkali and acid?
- Human acid
 - Humic acid
 - Fulvic acid
 - Hymatomelonic acid
- B. Which of the following organism is responsible for decomposition of organic matter?
- Bacteria
 - Algae
 - Fungi
 - Micro organism
- C. What is the organic matter of soil?
- 5%
 - 10%
 - 20%
 - 15%
- D. Which of the following contains the highest nutrients?
- Compost
 - Chemical fertilisers
 - FYM
 - Oil cakes
- E. Example for igneous rock is?
- Basalt
 - Granite
 - Gabbro
 - All

- F. Best soil type for plant growth is?
- Loam soil
 - Clay soil
 - Gravel
 - Coarse sand
- G. Chemically most active soil separate is?
- Sand
 - Clay
 - Gravel
 - silt
- H. Marble is obtained from?
- Quartz
 - Graphite
 - Slate
 - Limestone
- I. Which form of nitrogen is available in urea?
- Nitrite
 - Amide
 - Ammonical
 - Nitrate
- J. What is the drawback of poultry manure?
- It has less nutrient content
 - It smells badly
 - It ferments very quickly
 - None of these