

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Agriculture Back Paper Examination Even Semester (Non - Graduating Batches) – June 2024 [Programme: B. Sc. (Hons.) Agriculture] [Semester: I] [Batch:]				
Course Title: Fundamentals of Soil Science		Max Marks: 100		
Course Code: A1UA205B/ AGRI1017		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Compare soil microbiology and soil chemistry.	K2		5
2.	What do you understand by soil fertility and soil productivity?	K1		5
3.	Show the composition of soil in a pie diagram.	K2		5
SECTION-B (40 Marks)		10 Marks each		
4.	Illustrate all specific soil forming processes.	K2		10
5.	Build a well labelled diagram of soil profile along with details of different horizons.	K3		10
6.	What factors would you select that affects the soil temperature?	K3		10
7.	How would you analyze the pH of soil, Describe.	K4		10
SECTION-C (45 Marks)		15 Marks each		
8.	Classify the saline and alkali soils in detail on the basis of their characteristics.	K4		15
9.	What is your opinion about soil pollution? Recommend management practices for soil pollution.	K5		15
10	Write the role and importance of soil organic matter in detail.	K5		15