## MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

## B.Sc.(Hons.) Agriculture

JBP-	D.Sc.	(House) Agrico			
Semester	: IV (New)	Term : 5	Second	Academic Ye	ar : 2021-22
Course No.	: SSAC 242	Title : I	Problemat	ic Soils and th	eir Management
Credits Day & Date	: 2 (1+1) : Friday, 23.09.2022	Time : 1	14:00 to 16	:00 hrs Tota	al Marks : 40
Note					
2. All questions from SECTION 'B' are compulsory.					
<ol> <li>All questions carry equal marks.</li> <li>Draw neat diagram wherever necessary.</li> </ol>					
SECTION 'A'					
	Define soil quality. Discuss in brief soil quality indicators.				
-	Explain in brief how acid soils are formed.				
Q.3 Sta	State different characteristics that determine quality of irrigation water.				
Q.4 Des	Describe land capability classification.				
for	Give the salient characteristics of saline soil and alkali soil. Mention factors responsible for formation of saline soil.				
for	What do you mean by soil pollution? Enlist soil pollutants. Suggest preventive measures for soil pollution.				
Q.7 De	Define submerged soil. Explain changes occurring in soil during submergence.				
-	What are the sources of water pollution? Suggest remedial measures to control water pollution.				
Q.9 De	Define calcareous soil. State its effect on plant growth.				
	Elaborate the characteristics of healthy soils.				
SECTION 'B'					
Q.11 De	fine the following terms:				
	Soil degradation	2) I	Problemat	ic soil	
	_	·	Acid sulpl	and a	
3) (	Gypsum requirement	7) 7	rteia saipi	MIC SOII	<b>,</b> =
Q.12 Fill	in the blanks:				
1) is a predominant cation in the formation of					
2) I	ow salinity water class (C1)	contains	salt c	oncentration.	
3) The non-arable classes in the land capability classification areto					
	Compaction and scaling of soi				
٠		<b>*</b>			