PG-CET-BOTANY

PRACTICE BITS ON "MINERAL NUTRITION" -	2
1) Biological Nitrogen fixation is a1) Reductive process2) Oxidative process3) Exothermic process4) Exergonic process	[1]
 2) Most of the Biological Nitrogen fixers belong to 1) Archaebacteria 2) Eubacteria 3) Actinomycetes 4) Fungi 	[2]
3) Out of C, H, O, N which elements are mainly taken by plants from soil? 1) N, O 2) H, O 3) C, O 4) H, N	[4]
4) Main amino acid that transfer amino group in transamination reaction i 1) α -KGA 2) Aspartic acid 3) Glutamic acid 4) Glutamine	is [3]
5) High Energy yielding step in 'N' cycle is 1) 'N'- fixation 2) "N"-Assimilation 3) Ammonification 4) Nitrification	[4]
 6) Find out the mis match 1) Die back in Citrus Cu 3) Heart rot in Beet root - B 4) Whiptail in Cauliflower - Mo 	[2]
7) The enzyme Urease involves in1) Synthesis of Urea from NH33) Synthesis of Urea from Ureides3) Synthesis of Urea from Ureides3) Synthesis of Urea from Ureides	[2]
 8) The concentration of Ca in phloem in comparison to Xylem is 1) Low 2) High 3) Same 4) Constant 	[1]
 9) The absorption of "P" from soil by plants is assisted by 1) Rhizobium 2) Nostoc 3) Glomus 4) Anabaena 	[3]
10) Nitrogenase is 2) found in root cells of legumes1) a O2 resistant enzyme2) found in root cells of legumes3) found in all Cyanobacteria4) a Fe-Mo Protein	[4]
11) Deficiency symptoms of "N" & "Mg" are visible first in 1) Younger leaves2) Older leaves3) Senescent parts of plant4) Both 2 & 3	[1]
 12) Which of the following is not a role played by potassium in plants? 1) Maintains anion-cation balance 3) Formation of middle lamellum 4) Maintains the turgidity of cells 	[3]

 13) Major role of micro elements in living system is to act as 1) Building blocks for biomolecules 2) Components of hormones 3) Co-factors for Enzymes 4) Components of Co-enzymes 	[3]
 14) Find out the wrong match 1) Non-mineral micro elements C, H, O 2) Critical elements N, P, K 3) Frame work elements C, H, O 4) Beneficial elements Na, Si, Se, Co 	[1]
 15) Mineral deficiency in plant is understood by observing 1) Morphological changes 3) Disease symptoms 4) All the above 	[4]
 16) Regarding plant nutrition, elements are classified as macro or minor depending on 1) Their availability in the soil 2) Their relative quantity in the ash obtained after burning the plants 3) The relative amounts required by the plants 4) Their relative importance in plant growth 	[3]
 17) An element is said to be deficient in the soil when its concentration is 1) Critical 2) less than critical 3) more than critical 4) None of these 	[2]
 18) Minerals are absorbed into the roots in the form of 1) Molecules 2) Ions 3) Salts 4) Both 2 & 3 	[4]
 19) Pick up the false statement 1) All Frame work elements are Macro elements 2) All Macro elements are Mineral elements 3) All Critical elements are Macro elements 4) All Micro elements are Mineral elements 	[2]
 20) The ion which is commonly found free in the cell is 1) Potassium 2) Boron 3) Sulphur 4) Nitrogen 	[1]
 21) Sulphur containing amino acid is 1) Methionine 2) Cysteine 3) Cystine 4) All of these 	[4]
 22) Enzyme catalysed reactions can be stopped by 1) Hg 2) Cd 3) Pb 4) All of these 	[4]

 23) Hydroponics is a method of culturing plants in the presence of 1) H20 only 2) H20 and inorganic ions 3) H20 and organic solutes 4) H20 and soil 	[2]
 24) Sulphur Stabilizes the structure of protein by forming 1) Peptide bonds 2) Ester bonds 3) Di-sulphide bridges 4) Glycosidic 	[3] bond
 25) Find out the incorrect match 1) No of elements present in a plant30-40 2) No of elements present in a plant kingdom60-70 3) No of macro mineral elements9 4) No of micro mineral elements8 	[3]
 26) Which essential elements are available to plant from both soil and atmosphere? 1) C, H, O 2) C, H, O, N 3) C, H, O, N, P 4) C, H, O, N, P, S 	[2]
 27) Plants absorb essential elements by 1) Facilitated diffusion 2) Active transport 3) Diffusion 4) All of these 	[4]
 28) Nitrogen fixation means conversion of N2 into 1) NH3 2) Nitrite 3) Nitrite 4) All of these 	[4]
 29) Which enzyme can break the Triple bond of N2? 1) Nitrate reductase 2) Nitrite reductase 3) Nitrogenase 4) All of the 	[3] ese
 30) Conversion of Ammonium into organic nitrogenous compounds is known as 1) N₂-fixation 2) N₂- assimilation 3) Ammonification 4) Nitrification 	[2]

ALL THE BEST

^{Ву} D.R