BIOLOGY

61. Micronutrient that constitutes structure of catalase and carboxylases respectively are [NCERT Pg. No. 197, 198]
(1) Magnesium and Sulphur
(2) Zinc and Iron
(3) Sulphur and Magnesium
(4) Iron and Zinc

62. In soyabean fixed nitrogen is transported as – [NCERT Pg. No. 204]
(1) NH_4^+ ions (2) Ureides
(3) Nicotinamide (4) Niacin

63. _____ is involved in synthesis of DNA and RNA. [NCERT Pg. No. 197]
(1) Boron (2) Chlorine
(3) Iron (4) Magnesium

64. Element that forms structural elements undergo/ carryout the below function – [NCERT Pg. No. 196]
(1) Carbohydrate translocation
(2) Major constituent of proteins, nucleic acids etc
(3) Constitute central atom of chlorophyll
(4) Constitute structure of cysteine and methionine

65. Nitrate present in the soil is reduced to nitrogen by the process of – [NCERT Pg. No. 201]
(1) Nitrification
(2) Assimilation of nitrogen
(3) Denitrification
(4) Nitrogen fixation

66. Hydroponics was developed by Julius von Sachs, a prominent – [NCERT Pg. No. 194]
(1) British zoologist
(2) German botanist
(3) British botanist
(4) German zoologist

67. Plants assimilate nitrogen mostly in the form of – [NCERT Pg. No. 204]
(1) Nitrite (2) Ammonia
(3) Nitrate (4) Both (2) and (3)

68. Total number of ATP required to fix one molecule of nitrogen as ammonia is – [NCERT Pg. No. 203]
(1) 8 (2) 16
(3) 14 (4) 7

69. Structure that represents the path of the bacteria into the cortex of the root, where they initiate the nodule formation in the cortex of the root – [NCERT Pg. No. 202]
(1) Oxygen scavenger
(2) Leg haemoglobin
(3) Infection thread
(4) Mo - Fe protein

70. Element absorbed as divalent element [NCERT Pg. No. 197]
(1) Magnesium (2) Phosphorus
(3) Sodium (4) Potassium