16. Which element is a component of energy related chemical compounds (chlorophyll and ATP)?

1. Mg, N
2. P, Se
3. Mg, P
4. None of these

Answer - c. Mg, P

17. Which of the following enzymes are activated in the presence of magnesium ions?

1. Alcohol dehydrogenase
2. Phosphoenolpyruvate carboxylase
3. Ribulose bisphosphate carboxylase-oxygenase
4. Both b and c

Answer - d. Both b and c

18. Which of the following is an essential for enzyme activation?

1. Mg+2
2. P
3. S
4. All of these

Answer - a. Mg+2

19. Which of the following enzymes are activated in the presence of zinc ions?

1. Nitrogenase
2. Alcohol dehydrogenase
3. Phosphoenolpyruvate carboxylase
4. Ribulose bisphosphate carboxylase-oxygenase

Answer - b. Alcohol dehydrogenase

20. Ribulose bisphosphate carboxylase-oxygenase is an enzyme used in:

1. Respiration
2. Photosynthesis
3. Nitrogen metabolism
4. All of these

Answer - b. Photosynthesis