



PARISHRAMA NEET ACADEMY

TARGET NEET - 2022

BIOLOGY

TOPIC: MINERAL NUTRITION

31. The association between blue-green algae and fungi occurs in

- (1) lichens (2) symbiosis
(3) cannibism (4) mycorrhiza

32. Match Column-I with Column-II.

Column - I		Column - II	
(A)	<i>Nitrococcus</i>	(i)	Denitrification
(B)	<i>Rhizobium</i>	(ii)	Conversion of ammonia to nitrite
(C)	<i>Thiobacillus</i>	(iii)	Conversion of nitrite to nitrate
(D)	<i>Nitrobacter</i>	(iv)	Conversion of atmospheric nitrogen to ammonia

Choose the correct answer from options given below.

	(A)	(B)	(C)	(D)
(1)	(iv)	(iii)	(ii)	(i)
(2)	(ii)	(iv)	(i)	(iii)
(3)	(i)	(ii)	(iii)	(iv)
(4)	(iii)	(i)	(iv)	(ii)

33. The product(s) of reaction catalyzed by nitrogenase in root nodules of leguminous plants is/are

- (1) Nitrate alone
(2) Ammonia and oxygen

- (3) Ammonia and hydrogen
(4) Ammonia alone

34. Which of the following bacteria reduce nitrate in soil into nitrogen?

- (1) *Nitrosomonas*
(2) *Nitrobacter*
(3) *Nitrococcus*
(4) *Thiobacillus*

35. *Thiobacillus* is a group of bacteria helpful in carrying out

- (1) Nitrogen fixation
(2) Chemoautotrophic fixation
(3) Nitrification
(4) Denitrification

36. The first stable product of fixation of atmospheric nitrogen in leguminous plants is

- (1) Ammonia (2) NO_3^-
(3) Glutamate (4) NO_2^-

37. Which two distinct microbial processes are responsible for the release of fixed nitrogen as dinitrogen gas (N_2) to the atmosphere?

- (1) anaerobic ammonium oxidation, and denitrification
(2) aerobic nitrate oxidation, and nitrite reduction

