

Class: XIth Subject: BIOLOGY

Date: DPP No.: 2

## **Topic :- Mineral Nutrition**

1.	Which of the given	options are correct f	for hydroponics	s? Select the corre	ct pair

- I. Hydroponics technique is useful in areas having infertile and dry soils
- II. Hydroponics can regulate pH optimum for a particular crop
- III. It increases the labour cost
- IV. It increases the problem of weeding
- a) I and IV
- b) I and II
- c) I and III
- d) Only I

2. Phosphorus is absorbed by the plants as

I. H<sub>2</sub>PO<sub>4</sub> II. HPO<sub>4</sub>

III.  $HPO_4^{2-}$  IV.  $H_2PO^{-}$ 

a) Only I

- b) Only III
- c) I and III
- d) Only II

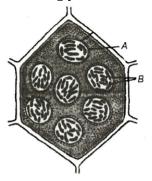
- 3. Insectivorous plants eats the insect for
  - a) Na-K
- b) Nitrogen
- c) Chlorine
- d) Phosphorus

- 4. Aeroponics are
  - a) Aerial plants

b) Aerated plants

c) Soilers cultivated plants

- d) None of these
- 5. Given diagram belongs to bacteroids in nodule. Identify A and B and choose the correct option accordingly



- a) A-Bacteria; B-Bacteroids
- c) A-Bacteroids; B-Bacteria

- b) A-Leghaemoglobin; B-Bacteroides
- d) A-Bacteroids; B-Leghaemoglobin

6.	Insectivorous plants ea a) Sodium-potassium	ts insects for their requi b) Nitrogen	rement of c) Chlorine	d) Phosphorus			
7.	Molybdenum is the ea	ssential constituent of b) Respiratory chain	c) Growth regulators	d) Chlorophyll			
8.	Select the correct statement.  a) Legumes are incapable of fixing nitrogen b) Legumes fix nitrogen through bacteria living in fruits c) Legumes fix nitrogen only by bacteria present in root nodules d) None of the above						
9.	Which among the followa) Coco air	wing are used as media f b) Rock cool	for hydroponics? c) Gravel	d) All of these			
10.	The core metal of chlassia) Fe	orophyll is b) Mg	c) Ni	d) Cu			
11.	Identify the elements w I. Hydrogen II. Magne III. Oxygen IV. Nitrog a) Only IV	esium	mponents of biomolecul	d) All except II			
12.	I. Meristematic tissues	oy which of the following II. Buds IV. Root tips b) I and IV	g regions of plants c) II and IV	d) All of these			
13.	In root nodules of legumes, leghaemoglobin is important because it a) Transports oxygen to the root nodule b) Acts as an oxygen scavenger c) Provides energy to the nitrogen fixing bacterium d) Acts as a catalyst in transamination						
14.	The number of essentia a) 27	al elements known for th	ne growth and reproduct c) 17	tion of plants is d) 9			
15.	Which of the following minerals activate the enzymes involved in respiration?  b) Magnesium and manganese c) Potassium and calcium  d) Suluur and iron						

16.	Which of the following is not caused by deficiency of mineral?				
	a) Chloros	is		b) Etiolation	
	c) Shorten	ing of intermo	odes	d) Necrosis	
17.	Crop rotation is used by farmers to increase				
	a) Soil fertility		b) Community area		
	c) Organic content of soil		d) Nitrogenous content in the soil		
18.	to the level of				
	a) Nitroge	nase b)	Nitrate reductase	c) Nitrite reductase	d) Hydrogenase
19. Soil is able to maintain a regular supply of minerals by the help of which of the fo					ch of the following?
II. Activity of decomposers III. Soil erosion					
		ring of rocks			
	a) Only IV	=	Only I	c) IV and II	d) All of the above
	uj omij iv	ی ا		oj 17 ana n	ajim of the above
20.	Select the match ones.				
	I Nitrosomonas – Nitrite to nitrate				
	II Thiobacillus - Denitrification				
	III Nostoc - Free-living nitrogen-fixer				
	IV Azotobacter - Anaerobic nitrogen-fixer				
	a) I and II	b)	III and IV	c) II and III	d) II and IV