

Subject : BIOLOGY DPP No. : 1 Class: XIth Date:

	Topic :- Transpor					
1.	Choose correct statements regarding the flow of sap in xylem? Flow is driven by higher concentration of sugar in the vessel elements I. Flow from root to twigs and leaves would be reduced if leaves are removed II. In the morning, sap begins to flow first in the twig then in trunk V. Rapid flow of water put tissues under pressure much more than atmospheric pressure (a) I and IV (b) II and III (c) I, II, III and IV (d) No one is correct					
2.	Stomatal opening is regulated by a) Light c) Atmospheric humidity	b) Temperature d) Wind				
3.	The direction of movement in phloem isA and choose the correct pair of options a) A-downwards; B-downwards c) A-unidirectional; B-bidirectional	b) A-only upwards; B-only downward d) A-bidirectional; B-unidirectional				
1.	Which of the following theories for ascent of sa Bose? a) Pulsation theory c) Transpiration pull theory	b) Relay pump theory d) Root pressure theory				
5.	The potential energy of water is referred as a) Water potential b) Osmotic potential	c) Gravity potential	d) Pressure potential			
5.	If two solutions have the same osmoregularity a) Hypertonic b) Hypotonic	they are said to be c) Isotonic	d) None of these			
7.	Plant obtain carbon and most of their oxygen from a) Soil c) CO_2 from the atmosphere	b) Water d) Symbiotic organizatio	n			

8.	When plant cell is kept in a) Decrease in size	saline drip, cell b) Bursts out	c) Increase in size	d) Unchanged	
9. Carrier protein, which allows the diffusion of two type of molecules in the same direction is					
	a) Symport	b) Antiport	c) Both (a) and (b)	d) Uniport	
10.	Hydroponics is the metl	nod of			
	a) Water conservation		b) Plant development in water without soil		
	c) Plant development without soil		d) Plant development in saline soil		
11.	Imbibition is always accompanied by swelling or increase in the volume of imbibint However, the increase in the volume of the imbibant is a) More than the volume of water imbibed b) Same as the volume of the water imbibed c) Less than the volume of the water imbibed d) Depends upon the type of imbibant				
12.	Which of the following is responsible for the transport of water and minerals from roots to stems, leaves, flowers and fruits in rooted plants?				
	a) Xylem	b) Phloem	c) Either (a) or (b)	d) Both (a) and (b)	
13.	Loss of liquid water by guttation occurs through				
	a) Hydathodes	b) Stomata	c) Cuticle	d) Bark	
14.	The process by which water is absorbed by solids like colloid causing them to increase is called				
	a) Osmosis	b) Plasmolysis	c) Imbibition	d) Diffusion	
15.	Choose the correct combination of labeling of the potato osmoscope experiement.				
	D BAC	Е			
	a) A-Final level	B-Dotpin			
	C-Initial level	D-Sugar solution			
	E-Potato tuber	n n			
	b) A-Initial level	B-Dotpin			
	C-Final level	D-Water			

	c) A-Final level C-Initial level	B-Dotpin D-Water				
	E-Potato tuber	2				
	d) A-Final level	B-Dotpin				
	C-Initial level	D-Water				
	E-Container					
16.	How will you distinguish between the method of transport between xylem and phloem? a) Active transport move xylem but not phloem sap b) Transport, in xylem is unidirectional and saps move upward, while phloem sap moves ups and down c) Transpiration does not move xylem sap, but it moves phloem saps d) Transport of substances take place from source to sink by both the tissues					
17.	Which one of the following is not an antitranspirant?					
	a) PMA	b) BAP	c) Silicon oil	d) Low viscosity		
18.	Statoliths are involved in					
	a) Phototropism	b) Hydrotropism	c) Chemotropism	d) Gravitropism		
19.	In plasmolysed cell, the space between nucleus a) Hypotonic solution c) Isotonic solution		and plasma membrane is occupied by b) Hypertonic solution d) Air			
20.	The sugarcane plant hasa) Dumb bell-shaped guard cellsc) Reticulate venation		b) Pentamerous flowers d) Capsular fruits			

E-Potato tuber