

7.	RuBisCo performs oxygenase activity at				
	a) Low CO <sub>2</sub> concentration c) High H <sub>2</sub> O concentration		b) High $CO_2$ concentration d) Low $H_2O$ concentration		
8.	Primary acceptor of CO	imary acceptor of $CO_2$ in $C_4$ -cycle is			
	a) PGA	b) PEP	c) RuBP	d)OAA	
9.	In bundle, sheath cells	undle, sheath cells are the large cells around the			
	a) Vascular bundles of C <sub>4</sub> -plants		b) Vascular bundles C	b) Vascular bundles C <sub>3</sub> -plants	
	c) Vascular bundles of $C_2$ -plants		d) All of the above		
10.	Which of the following is the first compound that accepts carbon dioxide during dark phase of photosynthesis?				
	a) NADP	b) RuBP	c) Ferredoxin	d)Cytochrome	
11.	Number of carboxylation occurs in Calvin cycle is				
	a) Zero	b)One	c) Two	d)Three	
12.	<ul> <li>a) Larger photosynthetic unit size than the sun plants</li> <li>b) Higher rate of carbon dioxide fixation than the sun plants</li> <li>c) More extended root system</li> <li>d) Leaves modified to spines</li> </ul> If green plants are incubated with O <sup>18</sup> labelled water, which molecule (photosynthesis product will become radioactive from the given options)				
	a) $O_2$	b) $H_2O$	c) CO <sub>2</sub>	d)ATP	
14.	The first action spectrum of photosynthesis was described by Engelman was related to a) Algae b) Mint plant c) Bacteria d) Bryophytes				
15.	Γo form one molecule of glyceraldehydes phosphate in Calvin cyclea) 9 ATP and 36 NADPH are requiredb) 6 ATP and 6 NADPH are requiredc) 3 ATP and 3 NADPH are requiredd) 9 ATP and 6 NADPH are required				
16.	Products of light reaction are ATP and O <sub>2</sub> , of these, B diffuses out of the chloroplast, while ATP and NADPH are used to derive the process leading to the synthesis of food more accurately,C, What does the blanks A-C refers here?				
	a) A NAD <sup>+</sup> : $B \cap O_2$ ; $C$ -ilpid		$U_JA$ -MADPH $\pm$ H <sup>+</sup> , B-O <sub>2</sub> : C-sugars		
	$CJ A-NAD^{\circ}; B-O_2; C-SU$	gai s	$u_J A - NADPH + H^{-}; B - U$	J <sub>2</sub> ; G-Sugars	

- 17. Light compensation point is the point where
  - a) Gaseous exchange occurs in photosynthesis
  - b) Gaseous exchange do not occur in photosynthesis
  - c) Gaseous exchange reduce in photosynthesis
  - d) Light intensity become appropriate for photosynthesis
- 18. During the dark reaction, the acceptor of CO2 isa) NADPH2b) RuBPc) H2Od) CO2
- 19. During photorespiration, the oxygen consuming reaction(s) occur in
  - a) Stroma of chloroplasts and mitochondria
  - b) Stroma of chloroplasts and peroxisomes
  - c) Grana of chloroplasts and peroxisomes
  - d) Stroma of chloroplasts

## 20. Which one of the following concerns Photophosphorylation?

