

Class: XIth
Date:
Subject: BIOLOGY
DPP No.: 3

Topic :- Respiration in Plants

	. .	opic Kespiration	11 1	m i iams		
1.	Oxidation of one molecule of a) 3 ATP molecules	of NADH gives rise to b) 12 ATP molecules	c)	2 ATP molecules	d) 1ATP molecule	
2.	Aerobic respiratory pathwa a) Catabolic	ny is appropria <mark>tely termed</mark> as b) Paraboli <mark>c</mark>		Amphibolic	d) Anabolic	
3.	 In alcohol fermentation, a) There is no electron donor b) Oxygen is the electron acceptor c) Triose phosphate is the electron donor, while acetaldehyde is the electron acceptor d) Triose phosphate is the electron donor, while pyruvic acid is the electron acceptor 					
4.	In respiration breaking dov a) Oxidation process c) Oxidation-oxaloacitation	vn of glucose with oxygen is l process	b)	Reduction process All of the above		
5.	Net gain of ATP molecules page 12	oer hexose during aerobic res b) 18	_	ration is 36	d) 30	
6.	Which of these are res <mark>pirat</mark> a) Cyanides	ory poisons or inhibitors of e b) Antimycin-A		tron transport chain? Carbon monoxide	d) All of these	
7.	Kreb's cycle is completed w a) Citric acid c) Succinic acid	rith the formation of		Oxaloacetic acid (OAA) Malic acid	RN	
8.	c) Both (a) and (b)			IING		
9. 10.	Maximum number of ATP is a) Glucose Glycolysis takes place in a) All living cells c) Prokaryotic cells only	s obtained from b) Palmitic acid	b)	Malic acid Eukaryotic cells only None of these	d) β -amino acid	
11.	Krebs' cycle begins with the a) Citric acid +acetyl Co-A c) Oxaloacetic acid + citric			Oxaloacetic acid + pyruv Oxaloacetic acid + acety		



Smart DPPs

12.	Co-Factor required for for a) TPP	ormation of acetyl Co-A is b) Lipoic acid	c) Mg ²⁺ , Co-A	d) All of these			
13.	In anaerobic respiration in plants a) Oxygen is absorbed c) Carbon dioxide is released			b) Oxygen in releasedd) Carbon dioxide is absorbed			
14.	The respiratory quotient (RQ) of some of the compound respectively as a) Malic acid, palmitic acid and tripalmitin c) Tripalmitin, malic acid and carbohydrate		b) Oxalic acid, carboh	s are 4,1 and 0.7. These compounds are identified b) Oxalic acid, carbohydrate and tripalmitin d) Palmitic acid, carbohydrate and oxalic acid			
15.	The enzyme is used to acid a) Citrate permeate	o catalysed when condensation b) citrate synthase	on of acetyl group with ox	caloacetic acid and to yield citric d) Citrate maliate			
16.	The respiratory quotien a) Equal to one	t (RQ) of a germinating caston b) Greater than one	r seed is c) Less than one	d) Equal to zero			
17.	Glycolysis I. causes partial oxidation of glucose (one molecule) to form 2-molecules of pyruvic acid and 2 ATP as net gain II. takes place in all living cells III. uses 2 ATP at two steps IV. scheme was given by Gustav Embden, Otto Mayerhof and J Parnas Choose the correct option containing appropriate statements from the above a) I, II and III b) I, II and IV c) I, II, III and IV d) Only I						
18.	During oxidative phospha) 40	norylation, the net gain of ATF b) 38	P is c) 34	d) 30			
	5MA	DTI		BN			
19.	Decarboxylation is invol a) Electron transport sy b) Glycolysis c) Krebs' cycle			G			

20. Alternate name of TCA cycle is

d) Lactic acid fermentation

- a) Kreb's cycle
- b) Grab's cycle
- c) Mayerhoff cycle
- d) Embden cycle