

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

Topic :- Respiration in Plants

4						
1.	a) 3 ATP molecules	e of NADH gives rise to b) 12 ATP molecules	c) 2 ATP molecules	d) 1ATP molecule		
0						
2.	Aerobic respiratory pathy	way is appropriately terme	d as			
	a) Catabolic	b) Parabolic	c) 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 <mark>elect</mark> ron donor, while pyruvic acid is the electron acceptor					
4	T					
4.	In respiration breaking d	own of glucose with oxyge	1 IS KNOWN AS			
	a) Oxidation process		b) Reduction process			
	c) Oxidation-oxaloacitatio	on process	d) All of the above			
5.	Net gain of ATP molecule	s <mark>per h</mark> exose during aerobi	c respiration is			
	a) 12	b) 18	c) 36	d) 30		
	-		-	-		
6.	Which of these are respiratory poisons or inhibitors of electron transport chain?					
	a) Cyanides	b) Antimycin-A	c) Carbon monoxide	d) All of these		
7.	Kreb's cycle is completed with the formation of					
<i>.</i>	a) Citric acid		b) Oxaloacetic acid (OAA)		
	c) Succinic acid		d) Malic acid	,		
8.	Where is ATP synthesised in glycolysis?					
	a) When 1, 3 di PGA is changed into 3PGA					
	b) When glucose is converted into glucose-6-phosphate					
	c) Both (a) and (b)					
	d) When, 1, 6 diphosphate is broken in triose phosphate					
9	Maximum number of ATP is obtained from					
	a) Glucose	b) Palmitic acid	c) Malic acid	d) β -amino acid		
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10.	Glycolysis takes place in a) All living cells c) Prokaryotic cells only		b) Eukaryotic cells only d) None of these	b) Eukaryotic cells only d) None of these		
11.	Krebs' cycle begins with the reaction a) Citric acid +acetyl Co-A c) Oxaloacetic acid + citric acid		b) Oxaloacetic acid + py d) Oxaloacetic acid + ac	b) Oxaloacetic acid + pyruvic acid d) Oxaloacetic acid + acetyl Co-A		
12.	Co-Factor required for for a) TPP	mation 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 released d) Carbon dioxide is abs	b) Oxygen in released d) Carbon dioxide is absorbed		
14.	The respiratory quotient (RQ) of some of the compounds are 4,1 and 0.7. These compounds are identified respectively as a) Malic acid, palmitic acid and tripalmitin b) Oxalic acid, carbohydrate and tripalmitin c) Tripalmitin, malic acid and carbohydrate d) Palmitic acid, carbohydrate and oxalic acid 					
15.	The enzyme is used to citric acid a) Citrate permeate	catalysed when conden b) citrate synthase	sation of acetyl group with o c) Citrate burate	xaloacetic acid and to yield d) Citrate maliate		
16.	The respiratory quotient (a) Equal to one	(<mark>RQ) o</mark> f a germinating ca b) Greater than one	astor seed is c) Less than one	d) Equal to zero		
17.	GlycolysisI. causes partial oxidation of glucose (one molecule) to form 2-molecules of pyruvic acid and 2 ATP as net gainII. takes place in all living cellsIII. uses 2 ATP at two stepsIV. scheme was given by Gustav Embden, Otto Mayerhof and J ParnasChoose the correct option containing appropriate statements from the abovea) I, II and IIIb) I, II and IVc) I, II, III and IVd) Only I					
18.	During oxidative phospho a) 40	rylation, the net gain of b) 38	ATP is c) 34	d) 30		

- 19. Decarboxylation is involved in
 - a) Electron transport system
 - b) Glycolysis
 - c) Krebs' cycle
 - d) Lactic acid fermentation
- 20. Alternate name of TCA cycle isa) Kreb's cycleb) Grab's cycle

c) Mayerhoff cycle

d) Embden cycle

