

Subject : BIOLOGY DPP No. : 5 Class: XIth Date:

		pic :- Respirat						
1.	Which one of the following reactions is an example of a) Conversion of succinate to fumarate c) Conversion of pyruvate to acetyl Co-A		ole of oxidative Deca b) Conversion	b) Conversion of fumarate to malate d) Conversion of citrate to isocitrate				
2.	If O_2 is not present, yeast O_2 and $O_2 + O_2 + O_3$	cells break down gluco b) CO ₂ + Lactic acid	se to $_{\mathrm{C})}$ $\mathrm{C_2H_5OH} + \mathrm{H}$	20	d) C ₂ H ₅	OH and CO ₂		
3.	How many ATP is released a) 3 ATP, 2 ATP	d respectively when NA b) 2 ATP, 3 ATP	ADH and FADH ₂ mol	_		? P, 5 ATP		
4.	Release of energy by breal cellular use is known as a) Respiration c) Oxidative phosphorylat		of various organic n b) Photorespir d) Combustion	ation	oy oxidat	ion process for		
5.	Krebs' cycle was discovered reaction/transition reaction a) Glycolysis c) Citric acid formation	b) Formation o	cles in 1940. Which step is called gateway step/link b) Formation of acetyl Co-A d) ETS terminal oxidation					
6.	Correct sequence of electra) cyt-a, a_3 , b, c	on acceptor of ATP synb) cyt-b, c ,a, a ₃	nthesis is c) cyt-b, c , a _{3,} a	ì	d) cyt-o	c, b, a, a ₃		
7.	The number of ATP produ	ced when a molecule o	of glucose undergoes c) 2	ucose undergoes fermentation c) 2 d) 38				
8.	Oxidative decarboxylation a) Pyruvic acid is oxidised c) Pyruvic acid is oxidised	to carbon dioxide		b) Pyruvic acid is subsidised to oxygend) Pyruvic acid is subsidised to carbon dioxide				
9.	An example of Pasteur's ed a) <i>Penicillium</i>	ffect is b) <i>Pinnularia</i>	c) Saccharomy	vces	d)	Nostoc		

10.	Fermentation is a) Anaerobic respiration		b) Incomplete oxidation of carbohydrate					
	c) Complete oxidation of carbohydrate		d) None of the above					
11.	Citric acid cycle is the alternate name of which of the following?							
	a) HMP shunt	b) Glycolysis	c) TCA cycle	d) Calvin cycle				
12.	_	hen one molecule of glucose is completely oxidized during aerobic respiration, how m rbon dioxide are released due to Tricarboxylic acid cycle?						
	a) One	b) Two	c) Three	d) Four				
13.	Fat prior to its oxidation associate with							
	a) Cyclic AMP	b) Co-A	c) GMP	d) ATP				
14.	The RQ value of oxalic acid is							
	a) 1.0	b) 0.7	c) 4	d) ∝				
15	Energy currency of cell is							
15.	a) Mitochondria	b) Chloroplast	c) ATP	d) Glucose				
1.0	Proak down process is also	o called						
10.	Break down process is also a) Catabolism	b) Anabolism	c) Both (a) and (b)	d) All of these				
15	The energy velocing weetshelic was easy in which exhibits is saiding desirable at an extra selection.							
17.	The energy-releasing metabolic process in which substrate is oxidized without an external electron acceptor, is called							
	a) glycolysis	b) Fermentation	c) Aerobic respiration	d) Photorespiration				
1Ω	How many times ATP is utilised in glycolysis?							
101	a) 2 b) 3		c) 4	d) 5				
10	Aerobic respiration takes place in							
1).	a) Mitochondria	b) Ribosome	c) Glogi body	d) Both (a) and (b)				
20.	Coguence of events in Vrol	a's gualo is						
	Sequence of events in Kreb's cycle is a) Acetyl Co-A \rightarrow Citrate \rightarrow Pyruvate \rightarrow Oxaloacetic acid \leftarrow fumarate \leftarrow Malate \leftarrow Succinate α -ketoglutaralte							
	$\text{Acetyl Co-A} \rightarrow \text{Citric acid} \rightarrow \pmb{\alpha}\text{-ketoglutarate acid} \rightarrow \text{Oxaloacetic acid} \leftarrow \text{Malic acid} \leftarrow \text{Fumaric acid} \leftarrow \text{Succinic acid}$							
	c) Acetyl Co-A \rightarrow Citric acid \rightarrow Malic acid Oxaloacetic \leftarrow Oxaloacetic acid Succinic \leftarrow α -ketoglutaric acid \leftarrow d) All are wrong							