



Class: XIth

Date:

Subject: BIOLOGY

DPP No.: 1

	Te	opic :- Respiration	n i	n Plants		
1.	Beer and butter milk are products of fermentation by a) <i>Rhizopus stolonifer</i> c) <i>Bacillus subtilis</i>			b) <i>Caedobacter taeniospiralis</i> d) <i>Saccharomyces cerevisiae</i>		
2.	Apparatus to measure rate a) Auxanometer	of respiration <mark>and respirato</mark> r b) Potome <mark>ter</mark>	_	uotient is Respirometer	d) Manometer	
3.	Acetyl Co-A binds to oxaloa a) Formaldehyde	cetic acid to form b) Citrate	c)	Acetate	d) Isocitrate	
4.	In fermentation NADH is ox a) Fast	ridised to NAD <sup>+</sup> in rate b) Slow	c)	Usual	d) None of these	
5.	Last electron acceptor in re a) Oxygen	spiration is b) Hydrogen	c)	Carbon dioxide	d) NADH	
6.	In animal cells, like muscle, into lactic acid by a) $\rm O_2$ c) Lactate dehydrogenase	during exercise when $\mathrm{O}_2$ is i	b)	lequate for cellular respira Carboxylation None of the above	ation, pyruvic acid is reduc	
7.	Glucose break down takes partially c) According to substrate	place in fermentation	-	Completely None of these	SN	
8.	Plants need one of the follo a) N and P	wing for ATP formation b) N and Cu	c)	N and Ca	d) K	
9.	First vitamin to be produce a) Vitamin-D	d thr <mark>ough fe</mark> rmentation proc b) Vitamin-C		using a wild bacterium w Vitamin- B <sub>12</sub>	ras d) Vitamin-B <sub>2</sub>	
10. 11.	Fate of pyruvic acid during aerobic respiration is  a) Lactic acid fermentation c) Oxidative decarboxylation In respiration, respiratory substances can be used			<ul><li>b) Alcoholic acid fermentation</li><li>d) Oxidative phosphorylation</li></ul>		
	a) Carbohydrate	b) Protein	c)	Organic acid	d) All of these	
12.	In oxidative decarboxylatio goes to form a) Acetyl Co-A	n, only a carbon molecule of b) $CO_2$		uvic acid is get oxidised, o Citric acid	other two carbon molecule d) Both (a) and (b)	



## Smart DPPs

13.	<ul><li>a) Inner mitochondrial membrane</li><li>c) Intermembranous space</li></ul>	b) Matrix	b) Matrix d) Endoplasmic reticulum			
14.	Fungi are dependent on dead and decaying matter a) Saprophytes b) Halophytes	er for feeding, it is called c) Xerophytes	d) Nanophytes			
15.	Which of the following reaction does not take placell'?  a) Glycine Decarboxylation	_	cell organelle, that is referred to as 'Power house of the b) Glyceraldehyde 3-phosphate dehydrogenation			
	c) Fumaric acid hydration	d) Cytochrome oxidation				
16.	Which of the following is true regarding glycolysis?  I. Takes place in cytosol  II. Produces no ATP  III. Has no connection with electron transport chain  IV. Reduces two molecules of NAD <sup>+</sup> for every glucose molecule processed  Choose the correct option  a) Only I  b) I, II and III  c) I and II  d) None of these					
17.	The reaction which is catalysed by a protein that is not found in the matrix of mitochondria is a) Conversion of pyruvic acid to acetyl coenzyme-A b) Oxidative Decarboxylation of $\alpha$ -ketoglutaric acid c) Oxidation of Succinic acid d) Cleavage of Succinyl coenzyme-A					
18.	All enzymes of TCA cycle are located in the mitochondrial matrix except one, which is located in inner mitochondrial membranes in eukaryotes and in cytosol in prokaryotes. This enzyme is  a) Lactate Dehydrogenase  b) Isocitrate Dehydrogenase  c) Malate Dehydrogenase  d) Succinate Dehydrogenase					
19.	Identify enzyme A in the given reaction of Kreb's cycle					
	OAA + Acetyl Co - A + $H_2O \xrightarrow{A}$ Citric acid + Co a) Oxaloacetate synthetase c) Aconitase	b) Citrate synthetase d) Dehydrogenase	RN			
20.	The enzymes for TCA cycle are present in a) Plastids c) Mitochondria	b) Golgi complex d) Endoplasmic reticulum	5			