

Class: XIth
Date:
Subject: BIOLOGY
DPP No.: 1

Topic :- Respiration in Plants

		pic :- Kespirauo				
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 rat a) Auxanometer	e of respiration and respira b) Potometer	atory quotient is c) Respirometer	d) Manometer		
3.	Acetyl Co-A binds to oxaloacetic acid to form					
	a) Formaldehyde	b) Citrate	c) Acetate	d) Isocitrate		
4.	In fermentation NADH is oxidised to NAD+ in rate					
	a) Fast	b) Slow	c) Usual	d) None of these		
5.	Last electron acceptor in respiration is					
	a) Oxygen	b) Hydrogen	c) Carbon dioxide	d) NADH		
6.	In animal cells, like muscle, during exercise when O_2 is inadequate for cellular respiration, pyruvic acid is reduced into lactic acid by					
	a) 0 ₂		b) Carboxylation			
	c) Lactate dehydrogenase		d) None of the above			
7.	Glucose break down takes place in fermentation					
	a) Partially		b) Completely			
	c) According to substrate		d) None of these			
8.	Plants need one of the following for ATP formation					
	a) N and P	b) N and Cu	c) N and Ca	d) K		
9.	First vitamin to be produced through fermentation process using a wild bacterium was					
	a) Vitamin-D	b) Vitamin-C	c) Vitamin- B ₁₂	d) Vitamin-B ₂		
10.	Fate of pyruvic acid during aerobic respiration is					
	a) Lactic acid fermentation		b) Alcoholic acid fermentation			
	c) Oxidative decarboxylation		d) Oxidative phosphorylation			

11.	In respiration, respiratory substances can be used					
	a) Carbohydrate	b) Protein	c) Organic acid	d) All of these		
12.	In oxidative decarboxylation, only a carbon molecule of pyruvic acid is get oxidised, other two carbon molecule goes to form					
	a) Acetyl Co-A	b) CO ₂	c) Citric acid	d) Both (a) and (b)		
13.	Enzymes of electron transport system are present in a) Inner mitochondrial membrane c) Intermembranous space		b) Matrix d) Endoplasmic reticulum			
14.	Fungi are dependent on d a) Saprophytes	ead and decaying matter fo b) Halophytes	or feeding, it is called c) Xerophytes	d) Nanophytes		
15.	Which of the following reaction does not take place in the cell organelle, that is referred to as 'Power house of the cell'?					
	a) Glycine Decarboxylationc) Fumaric acid hydration		b) Glyceraldehyde 3-phosphate dehydrogenationd) 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 ⁺ 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					
	a) Only I	<i>b</i>) 1, 11 and 111	c) rana n	u) None of these		
17.	a) Conversion of pyruvic acid to acetyl 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					
	$OAA + Acetyl Co - A + H_2O \xrightarrow{A} Citric acid + Co - A$					
	a) Oxaloacetate synthetas	se	b) Citrate synthetase			
	c) Aconitase		d) Dehydrogenase			

- 20. The enzymes for TCA cycle are present in
 - a) Plastids
 - c) Mitochondria

- b) Golgi complex
- d) Endoplasmic reticulum