Corrigé-type du contrôle de la matière Biochimie microbienne

1- Déshydrogénation du succinate en fumarate **(1pnt).**

2- Transformation du citrate en isocitrate vis l'aconitate **(1pnt).**

3- 2 / 1 / 2 **(1,5pnt).**

4- Pyruvate déshydrogénase **(1pnt).**

5- Clivage de l'isocitrate en succinate et glyoxylate **(1pnt).**

6- Aldolase **(1pnt).**

7- Décarboxylation de la lysine en cadavérine **(1pnt).**

8- Décarboxylation de l'ornithine en putrescine **(1pnt).**

9- a- *Pseudomonas, Bacillus subtilis, Escherichia coli, Leuconostoc mesenteroides, Enterococcus faecalis, Torulopsis, Aspergillus*. **(1pnt).**

b- *Rhizobium, Agrobacterium, Pseudomonas* **(1pnt).**

c- *Streptococcus, Lactobacillus, Leuconostoc* **(1pnt).**

d- *Saccharomyces cerevisiae, Klyveromyces, Brretanomyces, Zymomonas mobilis* **(1pnt).**

10- a- +12 ATP **(1pnt).**

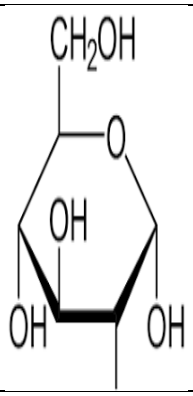
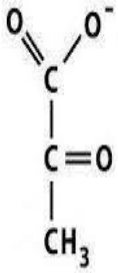
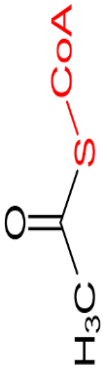
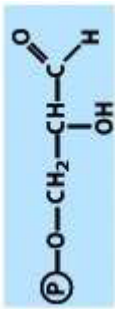
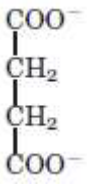
b- +9 ATP **(1pnt).**

11- a- +21 ATP **(1pnt).**

b- +11 ATP **(1pnt).**

c- +17 ATP **(1pnt).**

12-

Structure					
Nom	Glucose	Pyruvate	Acétyl coA	3PGA	Succinate
	(0,5pnt)	**(0,5pnt)**	**(0,5pnt)**	**(0,5pnt)**	**(0,5pnt)**