

Benha University
Faculty of science
Botany department

1st level
Date: 31/8/2015
Time: 1hour

General Botany (100 N)

Answers the questions :

A) Types of flagella in bacteria:

- 1- Monotrichous: one flagellum is attached to one pole of the cell .
- 2) Amphitrichous: a single or tuft of flagella are attached at the 2 poles of the cell
- 3- Peritrichous: many flagella are distributed over the whole surface of the cell

B) Types of cells in volvox :

- 1- Vegetative cell
- 2- gonidial cell
- 3- Antheridia (male gametes)
- 4) oogonia (femal gametes)

c) Endospores of bacteria:

Thick walled resting cells which are highly resistant to such unfavorable environmental conditions as drought, heat and cold.

2) Models of living of bacteria:

- a- Aerobes: require free supply of oxygen for growth .
- b- Anaerobes: which grow in absence of oxygen.
- c- Facultative aerobes: which live in presence or absence of oxygen.

2)

A) false B) false C)true D) true E) true F) false g) true h) true I) true J) false.