Microbiology

Archive

Lecture 4

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1.The temperature that describes the maximal possible rate at which organisms grow:
a) optimum temperature
b)Cardinal temperature
c) maximum temperature
d) minimum temperature

Answer:a

2.The convenient temperature range for the mesophiles:
a) 40-60
b) 25-40
c)60-80

Answer:b

3.Organisms that do not and may even be killed by oxygen:
a aerobes
b) facultative
c) anaerobes
d) Aerotolerant anaerobes

Answer:c

4. The breakdown of cellular constituents (cell wall, proteins ,fatty acids, nucleic acids called:
a) Anabolism
b catabolism

Answer:b

5.Aerobic bacteria are? Select one :
a.Only grow anaerobically
b.Only grow in the presence of Co2
c. Crainarly anaerabe but can grow with CO2.
d.Ordinarily aerobe but can grow in absence of 02.
e. Only grow aerobicaly .

Answer:e

6.Most of pathogenic bacteria can live in the following temperature rate? Select one:
a. Mesophile
b.Pshycrophile.
c. Thermophile.
d.capnophils
e. Hyperthermophile.

Answer:a

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7.Extreme halophlies are characterzed by? Select one:
a. Requiring high leveis of carbon for growth
b.Requitng high evels of Nitrogen for growth
C. Requirng high leve of Copper tor growth
d. Requiring high evels of Zinc for growth
e.Requiing high leveis of Salts tor growth

Answer:e

8.lack of antioxidant enzymes:
A-Anaerobes
b-Aerobes
c-Microaerophile
d-Macroaerophils

Answer:a

9.0ne of the following is true regarding free radicalsOne of the following is true regarding free radicals
a. Hydrogen peroxide break down by catalase only
b. superoxide free radical inhibition by tow enzymes
c. Hydrogen peroxide break down by peroxide only
d. Superficial free radical inhibition by one enzyme

Answer:b

10.At which temperature extreme thermophiles grow ?

Answer: 80 and above

11.When you culture bacteria without known requirement for oxygen, at the second day you found bacteria at the bottom and surface (at the surface more than bottom) the true concept of this bacteria is :
1) microaerophile
2) obligate anaerobe
3) obligate aerob
4) facultative anaerob

Answer: 4

12. The Final electron acceptor in aerobic respiration:The final electron acceptor in aerobic respiration:
A. Nitrate
B. Sulfate
C. Oxygen

Answer:c:

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13.When a bacteria grown in a test tube,it spread all over the tube with aggregation at the top of it ,which kind of bacteria?

Answer: Facultative anaerobic

14.Bacteria grow in human bodyBacteria grow in human body
A. Mesophils & neutrophils
B.Mesophils & acidophilus
C.Mesophiles & halophiles
D.Acidophiles & halophiles
E.Acidophiles & neutrophiles

answer:a

15. The vibrio cholerae is :The vibrio cholerae is :
A. Alkaliphile
B. Neutrophile
C. Acidophile
D. Halophile

answer: a