



MICROBIOLOGY

Questions **Responses** 30

Total points: 100

30 responses



Accepting responses

Summary

Question

Individual

nasoto1997@gmail.com (1)

< 20 of 30 >



96 of 100 points



Score released Mar 21 5:40 PM

[Release score](#)

MICROBIOLOGY

* Required

Email address *

nasoto1997@gmail.com

0 of 0 points

NAME *

/ 0

Nana

[Add individual feedback](#)

CAMPUS *

/ 0

Mswambeni

[Add individual feedback](#)

GENDER *

/ 0

 Female Male[Add individual feedback](#)

MCQ

96 of 100 points

✓ the process in which all living cells, spores and viruses are completely destroyed from an object is called *

4 / 4

 disinfection pasteurization sterilization Antisepsis[Add individual feedback](#)

✓ UHT sterilization involves high temperature exposures of objects for *

4 / 4

- 1--3 seconds
- 1--3 minutes
- 1--3 hours
- 10--30 hours



Add individual feedback

✓ _____ is an antiseptic *

4 / 4

- chlorine
- copper sulphate
- Ozone
- 70% ethanol



Add individual feedback

✘ error rate of Taq DNA polymerase is _____ *

0 / 4

- 10^{-4}
- 10^{-14}
- 10^{-24}
- 10^{-40}

✘

Correct answer

- 10^{-4}

Add individual feedback

✔ the best form of DNA transform E coli is _____ *

4 / 4

- linear
- covalently closed
- Nicked circles
- Nicked linear

✔

Add individual feedback

✓ -----phage is widely used for phage display technique * 4 / 4

- M13
- $\phi 6$
- λ phage
- T7 phage



Add individual feedback

✓ ----- RNA polymerase has a single subunit * 4 / 4

- E. coli
- Bacillus subtilis
- T7 bacteriophage
- λ phage



Add individual feedback

✓ same DNA sequence may code for more than one protein by * 4 / 4

- genes splitting
- RNA splitting
- Alternative splicing of RNA
- None



Add individual feedback

✓ bacterial cells can be stained with ____ to reveal the presence of lipid inclusions * 4 / 4

- saffranin
- methylene blue
- Trypan blue
- sudan dyes



Add individual feedback

✓ glucose that is taken in by a bacterial cell is made to stay within the cell by _____ * 4 / 4

- attaching to membranes
- immediate utilization
- phosphorylation
- converse to fructose



Add individual feedback

✓ magnetosomes are inclusion of_____ in certain bacteria * 4 / 4

- iron oxide
- iron phosphate
- iron nitrates
- iron chlorides



Add individual feedback

✓ in a population of 1×10^8 bacterial cells, if there is 50% killing _____ number of cells would remain viable * 4 / 4

- 0.5 X 10⁸ ✓
- 1 X 10⁴
- 50
- 0.2 X 10⁸

Add individual feedback

✓ _____ is a predator bacterium that infects other gram negative bacteria * 4 / 4

- haemophilus influenza
- Pseudomonas putida
- proteus mirabilis
- Bdellovibrio ✓

Add individual feedback

✓ _____ are prokaryotic, but have the ability to carry out oxygenic photosynthesis * 4 / 4

- photorhizobium
- cyanobactrea ✓
- chlorobium
- Rhodospirillum

Add individual feedback

✓ _____ is the only bacterial genus where sterols are present in the cell membrane * 4 / 4

- Escherichia
- Mycoplasma
- chlamydeaa
- Vibrio



Add individual feedback

✓ . For the examination of microbial cells we require the use of? * 4 / 4

- a) High-power microscope
- b) Low-power microscope
- c) High-power microscope at a magnification of about 1,000 diameters
- d) Low-power microscope at a magnification of about 1,000 diameters



Add individual feedback

✓ . Lipopolysaccharide in cell walls is characteristic of? * 4 / 4

- a) Gram-positive bacteria
- b) Gram-negative bacteria
- c) Fungi
- d) Algae



Add individual feedback

✓ Which microorganism(s) among the following perform photosynthesis by utilizing light? * 4 / 4

- a) Cyanobacteria
- b) Fungi
- c) Viruses
- d) Cyanobacteria, Fungi and Viruses



Add individual feedback

✓ Growth of microbes in a solid media is identified by the formation of? * 4 / 4

- a) pellicle at the top of media
- b) colonies
- c) sediment at the bottom
- d) turbidity



Add individual feedback

✓ Which among the following are produced by microorganisms? *

4 / 4

- a) Fermented dairy products
- b) Breads
- c) Alcoholic beverages
- d) Fermented dairy products, breads and alcoholic beverages



Feedback

Explanation: Microorganisms are used in many industries for the production of food we eat, like fermented dairy products (sour cream, yogurt), as well as fermented foods as pickles, breads and alcoholic beverages.

Add individual feedback

✓ What are the blood serum proteins produced by animals called? *

4 / 4

- a) Enzymes
- b) Antibodies
- c) Amino acids
- d) Toxins



Add individual feedback

✓ The DNA molecule of microorganisms is made up of base pairs of _____ * 4 / 4

- a) guanine-cytosine
- b) adenine-thymine
- c) adenine-cytosine
- d) guanine-cytosine and adenine-thymine



Add individual feedback

✓ The DNA of *Klebsiella pneumonia* has a moles % G+C content of? * 4 / 4

- a) 70-71
- b) 50-53
- c) 56-58
- d) 32-35



Add individual feedback

✓ Plamids are circular DNA molecules capable of autonomous replication. * 4 / 4

- a) True
- b) False



Add individual feedback

✓ Bdellovibrios come under which group of microorganisms? *

4 / 4

- a) Viruses
- b) Bacteria
- c) Fungi
- d) Algae



Add individual feedback

Submitted 3/21/21, 5:40 PM