

[Skip to main content](#)

Virtual Examroom

•

## BIOL252: MICROBIAL ECOLOGY

**Started on** Tuesday, 30 June 2020, 2:23 PM**State** Finished**Completed on** Tuesday, 30 June 2020, 2:52 PM**Time taken** 28 mins 32 secs**Grade** 36.00 out of 40.00 (90%)

### Question 1

Complete

Mark 1.00 out of 1.00

▼ Flag question

#### Question text

Certain microbes are able to withstand very severe environmental conditions. They are collectively known as \_\_\_\_\_.

Select one:

- ☒ a. Extremophiles
- ☐ b. Halophiles
- ☐ c. Thermophiles
- ☐ d. Barophiles

### Question 2

Complete

Mark 1.00 out of 1.00

▼ Flag question

#### Question text

The food source for the intermediate host of *Dracunculus medinensis* is increased by the presence of \_\_\_\_\_.

Select one:

- ☒ a. Faeces
- ☐ b. Urine

- ☐ c. Blood
- ☐ d. Sunlight

### Question 3

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Two key factors for preventing insect vector diseases include:

Select one:

- ☐ a. Provision of potable water and hand washing
- ☐ b. Hand washing and insect vector control
- ☐ c. Provision of potable water and education
- ☒ d. Insect vector control and draining stagnant water

### Question 4

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Bacteria that survive in coastal environments.

Select one:

- ☐ a. Barophile
- ☒ b. Halophile
- ☐ c. Psychrophile
- ☐ d. Acidophile

### Question 5

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Which genus of bacteria contributes to plagues, cavities, gingivitis and periodontal disease

Select one:

- ☐ a. Escherichia
- ☐ b. Bacillus
- ☐ c. Staphylococcus
- ☒ d. Streptococcus

### Question 6

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Some bacteria can undergo metabolism in the presence of oxygen, but do not use it in their metabolism. This group of bacteria are collectively known as \_\_\_\_\_.

Select one:

- ☐ a. Microaerophilic
- ☐ b. Obligate anaerobe
- ☒ c. Aerotolerant anaerobe
- ☐ d. Aerobes

### Question 7

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Two examples of important bacterial diseases transmitted from person to person by inhalation are \_\_\_\_\_.

Select one:

- ☒ a. Meningitis and Tuberculosis
- ☐ b. Meningitis and Chicken pox
- ☐ c. Tuberculosis and Small pox
- ☐ d. Chicken pox and Small pox

### Question 8

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

The following are examples of non-faeco-oral water washed diseases except \_\_\_\_\_.

Select one:

- ☐ a. Onchocerciasis and Scabies
- ☐ b. Trachoma and Filariasis
- ☐ c. Trachoma and Scabies
- ☒ d. Malaria and Filariasis

### Question 9

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Some microorganisms thrive and survive in Carbon dioxide environment and thrive in conditions of low oxygen and high carbon dioxide concentration. They are collectively known as \_\_\_\_\_ and an example is \_\_\_\_\_.

Select one:

- ☐ a. Aerotolerant anaerobes, Lactobacillus
- ☒ b. Capnophiles, Haemophilus influenzae
- ☐ c. Facultative anaerobes, E. coli
- ☐ d. Microaerophilic, Helicobacter pylori

### Question 10

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

In the Microbiology laboratory, the technique used to avoid all microorganisms is accomplished by \_\_\_\_\_.

Select one:

- ☐ a. Disinfection
- ☐ b. Pasteurization
- ☒ c. Sterilization
- ☐ d. Flaming

### Question 11

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Select one:

- ☐ a. Staphylococcus aureus
- ☒ b. Pseudomonas aeruginosa
- ☐ c. Clostridium tetani
- ☐ d. Clostridium botulinum

### Question 12

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

During an epidemic, the single individual who first becomes infected, incubates the pathogenic organism and later infects others in the community is known as \_\_\_\_\_.

Select one:

- ☒ a. Index case
- ☐ b. Reservoir
- ☐ c. Asymptomatic case
- ☐ d. Symptomatic case

### Question 13

Complete

Mark 0.00 out of 1.00

🚩 Flag question

### Question text

Biofilms adhere to surfaces by some structures which are held in place by \_\_\_\_\_.

Select one:

- ☒ a. hydrogen bonds
- ☐ b. covalent bonds
- ☐ c. van der Waals forces
- ☐ d. carbon-carbon bonds

### Question 14

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Which of the following diseases was the first to be classified as waterborne disease?

Select one:

- ☐ a. Trachoma
- ☐ b. Scabies
- ☒ c. Cholera
- ☐ d. Giardiasis

### Question 15

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

The most virulent virus type/types among the influenza viruses is/are \_\_\_\_\_.

Select one:

- ☐ a. Influenza D only
- ☒ b. Influenza A only
- ☐ c. Influenza B only
- ☐ d. Influenza C only

## Question 16

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

If you consume slightly cooked pork, chances are that you may be infected with \_\_\_\_\_ scientifically known as \_\_\_\_\_.

Select one:

- ☒ a. Pork Tapeworm, *Taenia solium*
- ☐ b. Beef tapeworm, *Taenia saginata*
- ☐ c. Dog Tapeworm, *Taenia pisiformis*
- ☐ d. Fish Tapeworm, *Diphyllobothrium latum*

## Question 17

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

During biofilm formation, bacteria spread and colonize other niches at what stage?

Select one:

- ☐ a. Maturation I
- ☒ b. Dispersion
- ☐ c. Initial attachment
- ☐ d. Irreversible attachment

## Question 18

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

The transmission route for waterborne diseases is \_\_\_\_\_.

Select one:

- ☒ a. Excreta--Water--Mouth

- ☐ b. Water--Mouth--Urine
- ☐ c. Mouth--Excreta--Water
- ☐ d. Water-Mouth--Excreta

### Question 19

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

An example of a microbe found in cooked rice left for several days is \_\_\_\_\_.

Select one:

- ☐ a. Bacillus anthracis
- ☐ b. Clostridium tetani
- ☐ c. E. coli
- ☒ d. Bacillus cereus

### Question 20

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Micro-colonies enlarge to form the first layer of cells covering the surface at what stage of a biofilms development.

Select one:

- ☒ a. Maturation I
- ☐ b. Irreversible attachment
- ☐ c. Dispersion
- ☐ d. Initial attachment

### Question 21

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Rabies attacks the human \_\_\_\_\_ system.

Select one:

- ☐ a. Skeletal
- ☒ b. Nervous
- ☐ c. Urinary
- ☐ d. Endocrine

## Question 22

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Which of the following can be controlled by conducting Mass Drug Administration using the required drugs in endemic communities?

Select one:

- ☐ a. Schistosomiasis and Tapeworm
- ☒ b. Filariasis and Schistosomiasis
- ☐ c. Malaria and Filariasis
- ☐ d. Filariasis and Tapeworm

## Question 23

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Diseases caused by poor personal hygiene, skin and eye contact with contaminated water are collectively known as .....

Select one:

- ☐ a. Taeniasis
- ☒ b. Non-faecal-oral water washed diseases
- ☐ c. Insect vector diseases
- ☐ d. Rodent vector diseases

## Question 24

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Bacteria that cannot survive standard laboratory atmospheric pressures

Select one:

- ☐ a. Psychrophile
- ☒ b. Barophile
- ☐ c. Halophile
- ☐ d. Acidophile

## Question 25

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Influenza is a \_\_\_\_\_ disease of humans.

Select one:

- ☐ a. Gastrointestinal
- ☒ b. Respiratory
- ☐ c. Nervous system
- ☐ d. Gastro urinary

## Question 26

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

\_\_\_\_\_ is an example of an important fungal disease usually associated with repeated exposure to airborne spores in the work environment.

Select one:

- ☐ a. Respiratory syncytial viral
- ☐ b. Tuberculosis
- ☒ c. Acute allergic alveolitis
- ☐ d. Severe acute respiratory syndrome

## Question 27

Complete

Mark 0.00 out of 1.00

🚩 Flag question

### Question text

When a microorganism is in an isotonic environment and needs to survive, the microorganism has a/an \_\_\_\_\_.

Select one:

- ☐ a. no solute in its environment
- ☒ b. lower solute concentration compared to the solution in its environment
- ☐ c. equal solute concentration compared to the solution in its environment
- ☐ d. higher solute concentration compared to the solution in its environment

## Question 28

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

A partially filled coffee cup including milk and sugar is left standing over night. It is contaminated with infectious microbes. A person handles the outside of the cup and becomes contaminated. This is an example of \_\_\_\_\_.

Select one:

- ☒ a. Fomite transmission
- ☐ b. All of these
- ☐ c. Direct transmission
- ☐ d. Reservoir transmission

### Question 29

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Bacteria that survive and grow within pH ranges 7.0 - 11.5.

Select one:

- ☐ a. Halophile
- ☒ b. Alkaliphile
- ☐ c. Psychrophile
- ☐ d. Acidophile

### Question 30

Complete

Mark 1.00 out of 1.00

🚩 Flag question

### Question text

Vomiting occurs when the gut cells release the compound \_\_\_\_\_ which stimulates the \_\_\_\_\_.

Select one:

- ☒ a. Serotonin, Vagus nerve
- ☐ b. Norepinephrine, Vagus nerve
- ☐ c. Serotonin, Gag nerve
- ☐ d. Norepinephrine, Gag nerve

### Question 31

Complete

Mark 1.00 out of 1.00

▼ Flag question

### Question text

In the Microbiology laboratory, glassware and media are sterilized by \_\_\_\_ respectively.

Select one:

- ☐ a. Flaming and autoclaving
- ☐ b. Autoclaving and Hot air oven
- ☒ c. Hot air oven and autoclaving
- ☐ d. Incineration and Hot air oven

### Question 32

Complete

Mark 1.00 out of 1.00

▼ Flag question

### Question text

DNA damage can be repaired by \_\_\_\_\_.

Select one:

- ☐ a. Photo deactivation and dark deactivation
- ☒ b. Photo reactivation and dark reactivation
- ☐ c. Photo reactivation and photo deactivation
- ☐ d. None of the above

### Question 33

Complete

Mark 0.00 out of 1.00

▼ Flag question

### Question text

Insects and animal allergens may be considered as \_\_\_\_\_ aspects of microbial ecology.

Select one:

- ☐ a. Biological and Chemical
- ☐ b. Physical and Biological
- ☒ c. Physical and Chemical
- ☐ d. Chemical and socio-economical

### Question 34

Complete

Mark 1.00 out of 1.00

▼ Flag question

### Question text

A restaurant worker is polishing silverware with a towel just used to wipe down a dirty table top. The silverware is now a.....

Select one:

- ☐ a. Reservoir of infection
- ☐ b. Vector
- ☒ c. Fomite
- ☐ d. Portal of entry

### Question 35

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Which of the following statements is the best definition of a pandemic disease?

Select one:

- ☐ a. It occurs infrequently at no predictable time scattered over a large area or population
- ☐ b. It normally occurs in a given geographic area
- ☒ c. It is an epidemic that occurs on more than one continent at the same time
- ☐ d. It is a disease that occurs more frequently than usual for a geographical area or group of people

### Question 36

Complete

Mark 0.00 out of 1.00

🚩 Flag question

#### Question text

The following are zoonotic diseases except \_\_\_\_\_.

Select one:

- ☒ a. Influenza and Ebola
- ☐ b. Toxoplasmosis and Rabies
- ☐ c. Malaria and Onchocerciasis
- ☐ d. Anthrax and Nipah virus

### Question 37

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Infections caused by inadequate volumes of water for personal hand domestic hygiene are known as \_\_\_\_\_.

Select one:

- ☒ a. Water-washed disease
- ☐ b. Water-based disease
- ☐ c. Insect vector disease
- ☐ d. Geohelminthiasis

### Question 38

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

Which of the following ways of monitoring bacterial growth does not require a viable microorganism?

Select one:

- ☐ a. Direct count
- ☒ b. None of the above
- ☐ c. Plate count
- ☐ d. Streak plate

### Question 39

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

The thickness of biofilms is known to depend on: A. the speed at which the medium moves; B. the amount of food in the environment; C. fluid temperature; D. the nature of the surface.

Select one:

- ☐ a. A, B and C
- ☐ b. B only
- ☐ c. A only
- ☒ d. A, B, C and D

### Question 40

Complete

Mark 1.00 out of 1.00

🚩 Flag question

#### Question text

\_\_\_\_\_ are the natural hosts for a large variety of Influenza A viruses.

Select one:

- ☐ a. Rodents
- ☒ b. Wild aquatic birds

☐ c. Dogs

☐ d. Pigs

Finish review

[Skip](#) Quiz navigation

### Quiz navigation

[Question 1 This page](#) [Question 2 This page](#) [Question 3 This page](#) [Question 4 This page](#) [Question 5 This page](#) [Question 6 This page](#) [Question 7 This page](#) [Question 8 This page](#) [Question 9 This page](#) [Question 10 This page](#) [Question 11 This page](#) [Question 12 This page](#) [Question 13 This page](#) [Question 14 This page](#) [Question 15 This page](#) [Question 16 This page](#) [Question 17 This page](#) [Question 18 This page](#) [Question 19 This page](#) [Question 20 This page](#) [Question 21 This page](#) [Question 22 This page](#) [Question 23 This page](#) [Question 24 This page](#) [Question 25 This page](#) [Question 26 This page](#) [Question 27 This page](#) [Question 28 This page](#) [Question 29 This page](#) [Question 30 This page](#) [Question 31 This page](#) [Question 32 This page](#) [Question 33 This page](#) [Question 34 This page](#) [Question 35 This page](#) [Question 36 This page](#) [Question 37 This page](#) [Question 38 This page](#) [Question 39 This page](#) [Question 40 This page](#)

[Show one page at a time](#) Finish review