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Home > Mycourses > MCB102\_2024/2025

Question 1 Not yet answered

Marked out of 1.00 pv Flag question

What is the primary reason anaerobic bacteria need special media for growth?

Select one:

☐ a. High oxygen content

☐ b. Increased temperature

☐ c. Low oxygen content and reduced

oxidation-reduction potential

☐ d. High oxidation-reduction potential

☐ e. Increased light exposure

Question 2 Not yet answered

Marked out of 1.00 pv Flag question

What makes chocolate agar an enriched

medium?

Select one:

© a. It contains a pH indicator to differentiate bacterial species

© b. It contains heat-treated blood, giving it a brown color

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[7~ - it has a high salt concentration

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© e. Increased light exposure

Question 2 Not yet answered

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What makes chocolate agar an enriched

medium?

Select one:

© \_a. It contains a pH indicator to differentiate

bacterial species

© \_si&b. It contains heat-treated blood, giving it a brown color

© c. It has a high salt concentration

© | d. It contains glucose as a carbon source

© \_ e. It includes selective agents to inhibit

unwanted bacteria

Question 3 Not yet answered

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What is the primary mechanism by which UV-C light kills microorganisms? A)

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© e. It includes selective agents to inhibit

unwanted bacteria

Question 3 Not yet answered

Marked out of 1.00 py Flag question

What is the primary mechanism by which UV-C light kills microorganisms?

Select one:

☒ a. Damage to DNA and RNA

☐ b. Disruption of cell membranes

☐ c. Inhibition of metabolic enzymes

☐ d. Destruction of cell walls

☐ e. Heating and denaturation of proteins

Question 4 Not yet answered

Marked out of 1.00 py Flag question

The invention of the simple microscope was very

important to the development of Microbiology.

But why was it not followed by much progress afterwards? A)

--- Page 4 ---

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☒ | d. Destruction of cell walls

☐ | e. Heating and denaturation of proteins

Question 4 Not yet answered

Marked out of 1.00 by Flag question

The invention of the simple microscope was very important to the development of Microbiology. But why was it not followed by much progress afterwards?

Select one:

☒ a. There were no more scientific

investigations by Aristotle

☒ b. The simple microscope ceased to function

☐ c. Microscopic observation did not provide enough information about the colonial

morphology of microorganisms

© d. Francesco Stelluti died

© e. The simple microscope was converted to  
compound microscope

Question 5 Not yet answered

Marked out of 1.00 py Flag question

Which of the following is a typical Gram-positive

bacterium? fA)

Select one:

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Question 5 Not yet answered

Marked out of 1.00 iv Flag question

Which of the following is a typical Gram-positive  
bacterium?

Select one:

☒ a. Staphylococcus spp.

☐ b. Escherichia coli

☐ O

☐ c. Pseudomonas spp.

☐ d. Neisseria spp.

☐ O

☐ e. Salmonella spp.

Question 6 Not yet answered

Marked out of 1.00 pv Flag question

The first person to publish detailed and accurate observations of microorganisms was

Select one:

☒ a. Anthony Van Leeuwenhoek

☐ \_b. Aristotle

☐ c. Girolamo Fracastoro

☐ d. None of these

O

e, Louis Pasteur

. ee

Question 7 Not yet answered

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Question 7 Not yet answered

Marked out of 1.00 by Flag question

Which of the following is true about bacteria?

Select one:

☐ a. None of these

☐ b. They all produce spores for reproduction

☐ O

☐ c. They have cell membrane and cell wall

☐ d. All bacteria are aerobes

O

e, They grow best at acidic pH

Question 8 Not yet answered

Marked out of 1.00 ip Flag question

Which of the following is true about simple staining?

Select one:

© = a. It produces color contrast and imparts

the same color to all bacteria in the smear

b. It is primarily used to view viruses

c. It requires two different dyes

d. It uses dyes like India ink or Nigrosin

OO000

e. It does not require making a smear

Question 9 Not yet answered A)

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Question 9 Not yet answered

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Who invented the simple microscope?

Select one:

☐ a. Robert Koch

☐ b. Spallanzani

☐ c. Aristotle

☐ d. Louis Pasteur

☐ e. Anthony Van Leeuwenhoek

Question 10 Not yet answered

Marked out of 1.00 pv Flag question

Antiseptic surgery method that prevented

microorganisms from entering wounds was

developed by

Select one:

☐ a. Aristotle

☐ b. Louis Pasteur

☐ c. Robert Koch

☐ d. Robert Hooke

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Oe. Joseph Lister

Question 11 Not yet answered

Marked out of 1.00 v Flag question

Who among the under listed was a proponent of

the theory of spontaneous generation

Select one:

☐ a. Louis Pasteur

☐ b. All of these

☐ d. John Tyndall

☐ e. Aristotle

☐

☐ c. Francesco Stelluti

☐

☐

Question 12 Not yet answered

Marked out of 1.00 by Flag question

What is the primary use of assay media in

microbiological techniques?

Select one: A)

☐ a. To determine vitamins, amino acids, and antibiotics

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O e.Aristole

Question 12 Not yet answered

Marked out of 1.00 pv Flag question

What is the primary use of assay media in

microbiological techniques?

Select one:

© a.To determine vitamins, amino acids, and antibiotics

b. Enumeration of bacteria

O

© c.Characterization of bacteria

© d. Maintenance of bacterial cultures

O

e. Isolation of pure bacterial cultures

Question 13 Not yet answered

Marked out of 1.00 pv Flag question

What is the primary mechanism by which autoclave sterilizes equipment?

Select one:

☒ a. Desiccation

☐ b. Chemical reactions

☐ d. Radiation fA)

☐ e)

☒ c.High-pressure steam

☐ O

☐ Oe. Freezing

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Question 13 Not yet answered

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What is the primary mechanism by which autoclave sterilizes equipment?

Select one:

☐ a. Desiccation

☐ b. Chemical reactions

☐ c. High-pressure steam

☐ d. Radiation

☐ e. Freezing

Question 14 Not yet answered

Marked out of 1.00 pv Flag question

The branch of Microbiology that exploits microorganisms for the production of products such as antibiotics, alcohols and other solvents,

vitamins, amino acids, and enzymes is called

Select one:

☐ a. Veterinary Microbiology

☐ b. Food Microbiology

d. Medical Microbiology

e. Environmental Microbiology A)

☐

☒ c. Industrial Microbiology

☐

☐

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Question 15 Not yet answered

Marked out of 1,00 pv Flag question

Bacteria are prokaryotes because

Select one:

☒ a. They have true nucleus

☐ b. They are very minute in size

☐ c. They grow rapidly

☐

d. They do not have true nucleus enclosed  
in a cell membrane

© e.They have cytoplasm

Question 16 Not yet answered

Marked out of 1.00 by Flag question

The first drawing of microorganisms was

published in

Select one:

© | a. Robert Koch Journal

© \_si&b. Robert Hook's Micrographia

©. c.Basic Microbiology textbook

©. d. Microbiology magazine

O

e. Microbiology newsletter

Question 17 Not yet answered A)

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Question 17 Not yet answered

Marked out of 1.00 ip Flag question

What is the primary limitation of the filtration process for sterilization?

Select one:

- ☐ a. It cannot remove all bacteria
- ☐ b. The pores are not small enough to filter out viruses
- ☐ c. It is too slow for practical use
- ☐ d. It requires high pressure to be effective
- ☐ e. It leaves toxic residues in the filtered material

Question 18 Not yet answered

Marked out of 1.00 py Flag question

What distinguishes a defined medium from an

undefined medium?

Select one:

☒ a. Defined medium is more expensive than A)  
undefined medium

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Question 18 Not yet answered

Marked out of 1.00 pv Flag question

What distinguishes a defined medium from an

undefined medium?

Select one:

☒ a. Defined medium is more expensive than  
undefined medium

☐ \_ b. Undefined medium cannot support  
microbial growth

©. c. Undefined medium is only used for

eukaryotic cells

© d. Defined medium has known quantities

of all ingredients

Oe. Defined medium contains complex

ingredients like yeast extract

Question 19 Not yet answered

Marked out of 1,00 pv Flag question

Abiogenesis means that

Select one:

© a. All of these

b. Life is a continuous process

c. Reproduction is the only way to life

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d. Living things only come from other living

things through reproduction (A)

QO © e. Living SRST toute aeverop from

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Question 19 Not yet answered

Marked out of 1,00 pv Flag question

Abiogenesis means that

Select one:

☐ a. Allof these

☒ b. Life is a continuous process

☐ c. Reproduction is the only way to life  
ie)

☐ d. Living things only come from other living  
things through reproduction

☐ e. Living organisms could develop from

nonliving matter

Question 20 Not yet answered

Marked out of 1.00 pv Flag question

The contributions of Robert Koch to the field of Microbiology and Medical Science include the following except

Select one:

☐ a. He proved the Germ Theory of Disease

☐ b. He developed for the first time a staining technique to stain the bacteria with acidic or

basic stain A)

☐ c. Using dilute solution of phenol/carbolic acid in surgical dressings to prevent wound

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nonliving matter

Question 20 Not yet answered

Marked out of 1,00 pv Flag question

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Select one:

☐ a. He proved the Germ Theory of Disease

☐ b. He developed for the first time a staining technique to stain the bacteria with acidic or basic stain

☐ c. Using dilute solution of phenol/carbolic acid in surgical dressings to prevent wound

infections

☐ d. He isolated and identified different kinds

of bacteria from various samples

☐ e. He discovered that bacteria caused tuberculosis in man

Quiz navigation

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Question 1 Not yet answered

Marked out of 1.00 pv Flag question

Fungi are both macroscopic and microscopic.

The microscopic form is

Select one:

☐ a. Hyphae

☐ b. Mold

☐ c. Virus

☐ d. Mushroom

☐ e. Yeast

Question 2 Not yet answered

Marked out of 1.00 pv Flag question

Who invented the simple microscope?

Select one:

☐ a. Robert Koch

☐ b. Louis Pasteur

☐ d. Spallanzani A)

☐ O

☐ c. Anthony Van Leeuwenhoek

☐ O

☐ C) Aristotle

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Question 3 Not yet answered

Marked out of 1.00 v Flag question

What is the primary mechanism by which UV-C light kills microorganisms?

Select one:

- ☒ a. Inhibition of metabolic enzymes
- b. Heating and denaturation of proteins

☐

☒ c. Damage to DNA and RNA

☒ d. Disruption of cell membranes

☐

e. Destruction of cell walls

Question 4 Not yet answered

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Bacteria are prokaryotes because

Select one:

☒ a.They grow rapidly

☒ b. They are very minute in size

☒ c.They do not have true nucleus enclosed

in a cell membrane

☒ d. They have true nucleus

☐ e. They have cytoplasm

Question 5 Not yet answered A)

Marked out of 1,00 vv Flag question

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11:218

Who among the under listed was a proponent of  
the theory of spontaneous generation

Select one:

☒ a. Louis Pasteur

b. Francesco Stelluti

☐

☐ c. Aristotle

☐ d. John Tyndall

☐

e. All of these

Question 6 Not yet answered

Marked out of 1,00 iv Flag question

Which of the following is not true about viruses?

Select one:

☒ a. They are much smaller than prokaryotes

☒ b. They carry out metabolism on their own

☒ c. They can reproduce, but only in living host cells

☒ d. They exist in the extracellular and intracellular phase

☐ e. They can mutate

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How transport media are generally classified?

Select one:

☐ a. By their expiration date and storage

conditions

☐ b. By their color and smell

☐ c. By their ability to support viral growth

☐ d. By their physical state and usefulness as

bacterial or viral transport media.

☐ e. By the type of microorganisms they can

kill

Question 8 Not yet answered

Marked out of 1.00 py Flag question

All those who contributed to the understanding

of the Germ theory of disease were

Select one:

☐ a. Louis Pasteur, Joseph Lister, and Robert

Koch

© \_ b. Joseph Lister

© c. Louis Pasteur, and Robert Koch A)

() \_\_d. Robert Koch, and Joseph Lister

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Question 8 Not yet answered

Marked out of 1.00 py Flag question

All those who contributed to the understanding

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Select one:

© a. Louis Pasteur, Joseph Lister, and Robert Koch

b. Joseph Lister

c. Louis Pasteur, and Robert Koch

d. Robert Koch, and Joseph Lister

000 0 0

e. Joseph Lister, and Louis Pasteur

Question 9 Not yet answered

Marked out of 1.00 pv Flag question

Which of the following is NOT a characteristic of transport media?

Select one:

☐ a. They are designed to prevent drying (desiccation) of the specimen

☐ b. They include growth factors to enhance

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☐ c. Joseph Lister, and Louis Pasteur

Question 9 Not yet answered

Marked out of 1.00 yy Flag question

Which of the following is NOT a characteristic of transport media?

Select one:

☐ a. They are designed to prevent drying

(desiccation) of the specimen

☐ b. They include growth factors to enhance

microbial growth

☐ c. They may contain antibiotics and glycerol

for tissue culture specimens

☒ d. They contain buffers and salts such as carbohydrates, peptones, and other nutrients

☐ e. They inhibit the overgrowth of unwanted

bacteria

Question 10 Not yet answered

Marked out of 1.00 py Flag question

What is the principle behind the functioning of

an autoclave for sterilization?

Select one:

☐ a. Ultraviolet (UV) light exposure A)

☒ b. Dry heat sterilization

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Question 10 Not yet answered

Marked out of 1.00 pv Flag question

What is the principle behind the functioning of

an autoclave for sterilization?

Select one:

☒ a. Ultraviolet (UV) light exposure

☐ b. Dry heat sterilization

☐ c. «Filtration

© d. Moist heat sterilization

Oe. Chemical disinfection

Question 11 Not yet answered

Marked out of 1.00 pv Flag question

What is the primary mechanism by which

autoclave sterilizes equipment?

Select one:

© a. Chemical reactions

b. Desiccation

c. High-pressure steam

d. Radiation

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e. Freezing

Question 12 Not yet answered A)

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Question 12 Not yet answered

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Why might an undefined medium be chosen over a defined medium?

Select one:

☐ a. Because it is necessary for autotrophic organisms

☐ b. Because it provides precise control over nutrient content

☐ c. Because it is always less expensive than defined media

☐ d. Because it always has a higher pH

☐ e. Due to its ability to support microorganisms that cannot grow on defined media

Question 13 Not yet answered

Marked out of 1,00 pv Flag question

What is the primary reason anaerobic bacteria need special media for growth?

Select one:

☐ a. High oxidation-reduction potential

☒ b. Increased temperature

☐ c. Low oxygen concentration

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Question 13 Not yet answered

Marked out of 1.00 vv Flag question

What is the primary reason anaerobic bacteria need special media for growth?

Select one:

☒ a. High oxidation-reduction potential

☐ b. Increased temperature

☐ c. Low oxygen content and reduced  
oxidation-reduction potential

☐ d. High oxygen content

☐ e. Increased light exposure

Question 14 Not yet answered

Marked out of 1.00 pv Flag question

What distinguishes a defined medium from an

undefined medium?

Select one:

☒ a. Defined medium has known quantities

of all ingredients

☐ b. Undefined medium is only used for  
eukaryotic cells

☐ c. Undefined medium cannot support

microbial growth

© | d. Defined medium contains complex A)

ingredients like yeast extract

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© e. Increased light exposure

Question 14 Not yet answered

Marked out of 1.00 pv Flag question

What distinguishes a defined medium from an undefined medium?

Select one:

© a. Defined medium has known quantities of all ingredients

© \_ b. Undefined medium is only used for

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©. c. Undefined medium cannot support

microbial growth

© d. Defined medium contains complex

ingredients like yeast extract

© \_ e. Defined medium is more expensive than

undefined medium

Question 15 Not yet answered

Marked out of 1.00 pv Flag question

Which of the following is a typical Gram-positive  
bacterium?

Select one:

© a. *Pseudomonas* spp. fA)

© \_ b. *Salmonella* spp.

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Question 15 Not yet answered

Marked out of 1.00 iy Flag question

Which of the following is a typical Gram-positive

bacterium?

Select one:

☐ a. *Pseudomonas* spp.

☐ b. *Salmonella* spp.

☐ c.

☐ d. *Staphylococcus* spp.

☐ e. *Neisseria* spp.

☐ f.

☐ g. *Escherichia coli*

Question 16 Not yet answered