

VU Medical Zone

BT 603 Quiz no 2 Spring 2021

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 1 of 10 (Start time: 01:55:01 AM, 03 August 2021)

Total Marks: 1

pH is the measurement of _____

Select the correct option

- | | | |
|----------------------------------|----------------------------------|--|
| ☐ | concentration of OH ⁻ | |
| ☒ | concentration of H ⁺ | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | concentration of H ⁻ | |
| ☐ | concentration of OH ⁺ | |

Windows taskbar showing search bar, taskbar icons, system tray with weather (27°C Smoke), time (1:55 AM 8/3/2021), and notification icon.

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 2 of 10 (Start time: 01:55:52 AM, 03 August 2021)

Total Marks: 1

The organism useful for fermentation process are _____

Select the correct option

- | | | |
|----------------------------------|----------|--|
| ☐ | Virus | |
| ☒ | Bacteria | Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Algae | |
| ☐ | Protozoa | |

Windows taskbar showing search bar, taskbar icons, system tray with weather (27°C Smoke), time (1:56 AM 8/3/2021), and notification icon.

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 3 of 10 (Start time: 01:56:27 AM, 03 August 2021)

Total Marks: 1

_____ (1950) represented the transfer of oxygen from air to the cell, during a fermentation.

Select the correct option

☐	Bush et al.
☐	Jill et al.
☐	Jack et al.
☒	Bartholomew et al.

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 4 of 10 (Start time: 01:56:58 AM, 03 August 2021)

Total Marks: 1

_____ have also been used to affect cell-wall structure and increase the permeability for release of metabolites.

Select the correct option

☐	Thymol blue
☐	Methyl red
☒	Inhibitors
☐	Phenol red

Answer solved by Amaan Khan
Contact: 0305-4716616
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EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 5 of 10 (Start time: 01:57:32 AM, 03 August 2021)

Total Marks: 1

The agitator is required to _____

Select the correct option

☐	Sterilize the media	
☒	Mixing objectives	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Purify the product	
☐	Provide air	

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 6 of 10 (Start time: 01:58:31 AM, 03 August 2021)

Total Marks: 1

Unfortunately, the concentrations of many antifoams which are necessary to control fermentations will reduce the oxygen-transfer rate by as much as _____

Select the correct option

☐	53%	
☒	50%	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	51%	
☐	52%	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 7 of 10 (Start time: 01:59:00 AM, 03 August 2021)

Total Marks: 1

A fermentation medium saturated with oxygen contains approximately _____

Select the correct option

☐	7.6 mg dm ⁻³	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	oxygen at 30°C	
☐	at 30°C	
☒	7.6 mg dm ⁻³ of oxygen at 30°C	

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 8 of 10 (Start time: 01:59:29 AM, 03 August 2021)

Total Marks: 1

Inhibitors have also been used to affect cell-wall structure and increase the permeability for release of metabolites. The best example is the use of _____ and surfactants in glutamic acid production.

Select the correct option

☐	Oxygen	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	gassing out	
☐	gassing	
☒	penicillin	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 9 of 10 (Start time: 02:00:06 AM, 03 August 2021)

Total Marks: 1

Medium optimization by the _____ of changing one independent variable (nutrient, antifoam, pH, temperature, etc.) while fixing all the others at a certain level can be extremely time consuming and expensive for a large number of variables.

Select the correct option

☐	modern method
☐	Corn steep
☒	classical method
☐	primitive method

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 01:55 AM, 03 August 2021

Question # 10 of 10 (Start time: 02:00:37 AM, 03 August 2021)

Total Marks: 1

Aeration may be performed by bubbling air through the liquid, spraying the liquid into the air or agitation of the liquid to increase _____

Select the correct option

☒	surface absorption
☐	surface
☐	Distillers' solubles
☐	absorption

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 1 of 10 (Start time: 02:02:54 AM, 03 August 2021)

Total Marks: 1

It is now possible to produce a number of heterologous proteins in yeasts, fungi and _____.

Select the correct option

☒	bacteria	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	promoters	
☐	inducers	
☐	operons	

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 2 of 10 (Start time: 02:03:38 AM, 03 August 2021)

Total Marks: 1

The solubility of oxygen decreases as with _____ temperature and concentration of solutes in the solution.

Select the correct option

☐	constant	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	decreasing	
☒	increasing	
☐	medium	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 3 of 10 (Start time: 02:04:12 AM, 03 August 2021)

Total Marks: 1

The inducer of Pullulanase is _____

Select the correct option

☐	Exposure to formation
☐	ashes
☐	Sterilization
☒	Maltose

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 4 of 10 (Start time: 02:04:26 AM, 03 August 2021)

Total Marks: 1

If during fermentation the dissolved oxygen concentration were to fall below the critical level then the cells may be metabolically _____.

Select the correct option

☐	Magnetodynamic
☐	increase
☐	decrease
☒	disturbed

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

sec(s)
Quiz Start Time: 02:02 AM, 03 August 2021

Question # 5 of 10 (Start time: 02:04:54 AM, 03 August 2021)

Total Marks: 1

It is sometimes forgotten that oxygen, although not added to an initial medium as such, is nevertheless a very important component of the medium in many processes, and its availability can be extremely important in controlling growth rate and _____ production.

Select the correct option

☐	anabolism
☐	catabolism
☐	respiration
☒	metabolite

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 6 of 10 (Start time: 02:05:25 AM, 03 August 2021)

Total Marks: 1

In most microbiological processes, _____ is a problem may be due to a component in the medium or some factor produced by the micro-organism.

Select the correct option

☒	foaming
☐	Suspension
☐	Inoculum
☐	None of these

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 7 of 10 (Start time: 02:05:52 AM, 03 August 2021)

Total Marks: 1

Dried soil cultures have been used widely for _____, particularly for sporulating mycelial organisms.

Select the correct option

☐	Peterson
☐	culturing
☒	culture preservation
☐	culture development

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Type here to search

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 8 of 10 (Start time: 02:06:30 AM, 03 August 2021)

Total Marks: 1

The organism useful for fermentation process are _____

Select the correct option

☐	Virus
☐	Protozoa
☒	Bacteria
☐	Algae

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

Type here to search

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 9 of 10 (Start time: 02:06:44 AM, 03 August 2021)

Total Marks: 1

Which of the following trace element influence the production of Gentamicin?

Select the correct option

☒	Co	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Fe	
☐	Mn	
☐	Zn	

BT603:Quiz No. 2

Quiz Start Time: 02:02 AM, 03 August 2021

Question # 10 of 10 (Start time: 02:08:39 AM, 03 August 2021)

Total Marks: 1

Inhibitor for Valine is _____

Select the correct option

☐	Complex	
☒	Various inhibitors	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Defined	
☐	Natural	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 1 of 10 (Start time: 01:48:06 AM, 03 August 2021)

Total Marks: 1

The Aeration is mainly provided to organisms present in _____

Select the correct option

☐	Solid State culture
☐	Batch culture
☐	Submerged culture
☒	Surface culture

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 2 of 10 (Start time: 01:49:36 AM, 03 August 2021)

Total Marks: 1

Which of the following is not the use of baffles?

Select the correct option

☒	Increase the effect of agitation
☐	Improve the fermenter capacity
☐	Improve cooling capacity
☐	Improve aeration efficiency

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 3 of 10 (Start time: 01:50:26 AM, 03 August 2021)

Total Marks: 1

The inducer of Pullulanase is _____

Select the correct option

☐	ashes
☐	Exposure to formation
☐	Sterilization
☒	Maltose

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 4 of 10 (Start time: 01:51:04 AM, 03 August 2021)

Total Marks: 1

Methylotrophic yeasts such as Hansenula polymorpha and Pichia pastoris may be used as alternative systems because of the presence of an _____ promoter.

Select the correct option

☐	Dry heat
☐	oxidase
☒	alcohol oxidase
☐	alcohol

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 5 of 10 (Start time: 01:51:36 AM, 03 August 2021)

Total Marks: 1

If during fermentation the dissolved oxygen concentration were to fall below the critical level then the cells may be metabolically _____.

Select the correct option

☒	disturbed	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Magnetodynamic	
☐	decrease	
☐	increase	

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 6 of 10 (Start time: 01:52:11 AM, 03 August 2021)

Total Marks: 1

If excessive foaming is encountered there are _____ ways of approaching the problem

Select the correct option

☐	2	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	8	
☒	3	
☐	4	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 7 of 10 (Start time: 01:52:37 AM, 03 August 2021)

Total Marks: 1

The inducer of Pectinases is _____

Select the correct option

☐	Mac-Conkey's agar	
☐	Nutrient broth	
☒	Pectin	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Nutrient agar	

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 8 of 10 (Start time: 01:53:00 AM, 03 August 2021)

Total Marks: 1

Inhibitor for Glutamic acid is _____

Select the correct option

☐	oxygen	
☒	Penicillin	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Disinfection	
☐	hydrogen	

EFFORT BY AMAAN KHAN

VU Medical Zone

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 9 of 10 (Start time: 01:53:33 AM, 03 August 2021)

Total Marks: 1

Aeration refers to the process of introducing _____ to increase oxygen concentration in liquids.

Select the correct option

☐	neon
☒	air
☐	nitrogen
☐	hydrogen

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT603:Quiz No. 2

Quiz Start Time: 01:48 AM, 03 August 2021

Question # 10 of 10 (Start time: 01:53:58 AM, 03 August 2021)

Total Marks: 1

When more than five independent variables are to be investigated, the _____ design may be used to find the most important variables in a system

Select the correct option

☒	Plackett-Burman
☐	jack
☐	Bush
☐	jill

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN