

VU Medical Zone

BT 603 Quiz no 1 Spring 2022

BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 1 of 10 (Start time: 09:55:03 PM, 27 June 2022)

Total Marks: 1

In the course of the entire fermentation, nothing is added except _____ (in the form of air, if the process is aerobic), an antifoam agent, and acid or base to control the pH.

Select the correct option

☐	Co
☐	N
☒	oxygen
☐	C

Answers Solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Type here to search 35°C 9:55 PM 6/27/2022

BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 2 of 10 (Start time: 09:55:20 PM, 27 June 2022)

Total Marks: 1

Batch fermentation is _____ system

Select the correct option

☐	semi open
☐	semi closed
☒	closed
☐	open

Answers Solved By Amaan Khan
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Email: maniamaan2@gmail.com

Type here to search 35°C Smoke 9:56 PM 6/27/2022

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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 3 of 10 (Start time: 09:55:45 PM, 27 June 2022)

Total Marks: 1

The concentration of P is deliberately raised in many media to increase the _____ during fermentation.

Select the correct option

☐	buffering limit
☒	buffering capacity
☐	buffering charge
☐	buffering

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 4 of 10 (Start time: 09:55:57 PM, 27 June 2022)

Total Marks: 1

Which of the following is used as nitrogen source in fermentation medium?

Select the correct option

☐	Sucrose
☒	Corn steep liquor
☐	Starch
☐	Glucose

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 5 of 10 (Start time: 09:56:27 PM, 27 June 2022)

Total Marks: 1

Stirred Fermentation involves proper mixing during the process of fermentation which is done by _____

Select the correct option

- ☐ rod
 - ☐ stick
 - ☐ probe
 - ☒ agitator
- Answers Solved By Amaan Khan**
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35°C 9:57 PM 6/27/2022

BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 6 of 10 (Start time: 09:56:49 PM, 27 June 2022)

Total Marks: 1

A medium with a high viscosity will also need a _____ power input for effective stirring.

Select the correct option

- ☐ medium
 - ☐ lower
 - ☐ constant
 - ☒ higher
- Answers Solved By Amaan Khan**
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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 7 of 10 (Start time: 09:57:14 PM, 27 June 2022)

Total Marks: 1

The intervening substances through which metabolic requirements are conveyed or physical forces are _____

Select the correct option

☐

mixing

☐

preparation

☒

transmitted

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☐

dissolving

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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 8 of 10 (Start time: 09:57:39 PM, 27 June 2022)

Total Marks: 1

Regardless of the type of fermentation, an established process may be divided into following basic component parts

Select the correct option

☐

9

☐

6

☐

8

☒

7

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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 9 of 10 (Start time: 09:58:20 PM, 27 June 2022)

Total Marks: 1

Typically, continuous fermentations are started as _____ cultures and feeding begins after the microbial population has reached a certain concentration.

Select the correct option

☐ fed- batch

☐ semi continuous

☐ continuous

☒ batch

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BT603:Quiz No. 1

Quiz Start Time: 09:55 PM, 27 June 2022

Question # 10 of 10 (Start time: 09:58:49 PM, 27 June 2022)

Total Marks: 1

Cooney (1979) has calculated theoretical yields for Penicillin G biosynthesis on the basis of material and energy balances using a biosynthetic pathway based on reaction stoichiometry.

Select the correct option

☐ dumpty

☐ jack

☒ Cooney

☐ jill

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 1 of 10 (Start time: 09:49:01 PM, 27 June 2022)

Total Marks: 1

_____ (1990) has given an excellent example of a process producing recombinant protein from *S. cerevisiae* instead of just biomass.

Select the correct option

☒	Collins	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Jill	
☐	Jack	
☐	Jamies	

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 2 of 10 (Start time: 09:49:35 PM, 27 June 2022)

Total Marks: 1

Historically, _____ complex natural materials have been used in fermentation processes because they are much cheaper than pure substrates.

Select the correct option

☒	undefined	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	defined	
☐	Crowded plate technique	
☐	Axzonographic technique	

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 3 of 10 (Start time: 09:50:07 PM, 27 June 2022)

Total Marks: 1

The concentration of P is deliberately raised in many media to increase the _____ during fermentation.

Select the correct option

☐ buffering limit

☐ buffering charge

☒ buffering capacity

☐ buffering

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 4 of 10 (Start time: 09:50:36 PM, 27 June 2022)

Total Marks: 1

It must be remembered that the medium will affect the _____ of fermenter to be used.

Select the correct option

☐ colour

☐ nature

☒ design

☐ size

Answers Solved By Amaan Khan
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Quiz Start Time: 09:49 PM, 27 June 2022

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 5 of 10 (Start time: 09:51:08 PM, 27 June 2022)

Total Marks: 1

Cooney (1979) has calculated theoretical yields for Penicillin G biosynthesis on the basis of material and energy balances using a biosynthetic pathway based on reaction stoichiometry.

Select the correct option

☐	jill	
☐	jack	
☒	Cooney	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	dumpy	

Windows taskbar showing search bar, taskbar icons, system tray, and date/time: 9:52 PM 6/27/2022

BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 6 of 10 (Start time: 09:52:03 PM, 27 June 2022)

Total Marks: 1

The main fermentation product in Pre-1900 is:_____

Select the correct option

☒	Vinegar	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Heterologous protein	
☐	Bakers yeast	
☐	Citric acid	

Windows taskbar showing search bar, taskbar icons, system tray, and date/time: 9:52 PM 6/27/2022

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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 7 of 10 (Start time: 09:52:29 PM, 27 June 2022)

Total Marks: 1

Fermentation medium Can Be a Significant Proportion of
Total Product _____

Select the correct option

☐	design
☐	shape
☒	Cost
☐	nature

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 8 of 10 (Start time: 09:52:52 PM, 27 June 2022)

Total Marks: 1

_____ type of fermentation involves proper mixing during the process of fermentation which is done by
Agitator/ Impeller.

Select the correct option

☐	Batch Fermentation
☐	continuous Fermentation
☒	Stirred Fermentation
☐	Fed-batch Fermentation

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 9 of 10 (Start time: 09:53:18 PM, 27 June 2022)

Total Marks: 1

In the course of the entire fermentation, nothing is added except _____ (in the form of air, if the process is aerobic), an antifoam agent, and acid or base to control the pH.

Select the correct option

☐	N
☐	Co
☒	oxygen
☐	C

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 09:49 PM, 27 June 2022

Question # 10 of 10 (Start time: 09:53:42 PM, 27 June 2022)

Total Marks: 1

_____ are those which remain within the cell and are responsible of catalyzing all those processes need in cells.

Select the correct option

☐	Isinglass
☐	Irish moss
☒	Intracellular enzymes.
☐	Kappa carrageenan

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 1 of 10 (Start time: 10:08:21 PM, 27 June 2022)

Total Marks: 1

Fermentation medium Can Be a Significant Proportion of
Total Product _____

Select the correct option

☐

nature

☐

shape

☐

design

☒

Cost

Answers Solved By Amaan Khan

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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 2 of 10 (Start time: 10:08:54 PM, 27 June 2022)

Total Marks: 1

In continuous fermentations, sterile medium is fed continuously into a fermenter and the fermented product is continuously withdrawn, so the fermentation volume remains _____

Select the correct option

☐

Inoculum development

☐

Sterilization

☒

unchanged

Answers Solved By Amaan Khan

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☐

changed

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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 3 of 10 (Start time: 10:09:32 PM, 27 June 2022)

Total Marks: 1

The problem of developing a process from the laboratory to the pilot scale, and subsequently to the industrial scale, must also be considered for selecting a suitable _____.

Select the correct option

☒	medium	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	food	
☐	microorganism	
☐	addition experiment	



BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 4 of 10 (Start time: 10:10:07 PM, 27 June 2022)

Total Marks: 1

A medium with a high viscosity will also need a _____ power input for effective stirring.

Select the correct option

☐	constant	
☒	higher	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	lower	
☐	medium	



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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 5 of 10 (Start time: 10:10:17 PM, 27 June 2022)

Total Marks: 1

_____ are those which remain within the cell and are responsible of catalyzing all those processes need in cells.

Select the correct option

☐

Kappa carrageenan

☐

Irish moss

☐

Isinglass

☒

Intracellular enzymes

Answers Solved By Amaan Khan

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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 6 of 10 (Start time: 10:10:32 PM, 27 June 2022)

Total Marks: 1

_____ is the major component of all fermentation media, and is needed in many of the ancillary services.

Select the correct option

☒

water

Answers Solved By Amaan Khan

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☐

carbon

☐

hydrogen

☐

nitrogen

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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 7 of 10 (Start time: 10:11:00 PM, 27 June 2022)

Total Marks: 1

How many typical medium ingredients are there?

Select the correct option

☐	14
☐	12
☒	11
☐	13

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 8 of 10 (Start time: 10:11:35 PM, 27 June 2022)

Total Marks: 1

In the course of the entire fermentation, nothing is added except _____ (in the form of air; if the process is aerobic), an antifoam agent, and acid or base to control the pH.

Select the correct option

☐	C
☐	Co
☒	oxygen
☐	N

Answers Solved By Amaan Khan
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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 9 of 10 (Start time: 10:11:50 PM, 27 June 2022)

Total Marks: 1

processing of materials that remained after fermentation process called?

Select the correct option

☒	Effluent treatment	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Flushing out	
☐	Dumping	
☐	waste treatment	

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BT603:Quiz No. 1

Quiz Start Time: 10:08 PM, 27 June 2022

Question # 10 of 10 (Start time: 10:12:15 PM, 27 June 2022)

Total Marks: 1

The concentration of P is deliberately raised in many media to increase the _____ during fermentation.

Select the correct option

☐	buffering charge	
☐	buffering limit	
☐	buffering	
☒	buffering capacity	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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