

VU Medical Zone

BT 603 Quiz no 2 Fall 2022

BT603 – Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 1 of 10 (Start time: 10:04:02 PM, 29 December 2022)

Total Marks: 1

The main product of a fermentation process will often determine the choice of _____ source, particularly if the product results from the direct dissimilation of it.

Select the correct option

☐ hydrogen

☒ carbon

☐ oxygen

☐ nitrogen

Answers Solved By Amaan Khan
Contact: 0305-4716616
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BT603 – Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 2 of 10 (Start time: 10:04:44 PM, 29 December 2022)

Total Marks: 1

_____ et al., (1984) discussed factors favouring the use of oils instead of carbohydrates.

Select the correct option

☐ bush

☐ jack

☒ Bader

☐ jill

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VU Medical Zone

BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 3 of 10 (Start time: 10:05:09 PM, 29 December 2022)

Total Marks: 1

In griseofulvin production, adequate available chloride is provided by the inclusion of at least 0.1% _____ as well as the chloride provided by the complex organic materials included as nitrogen sources.

Select the correct option

☐	N
☒	KCl
☐	Complex media
☐	C

Answers Solved By Amaan Khan
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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 4 of 10 (Start time: 10:05:39 PM, 29 December 2022)

Total Marks: 1

Control mechanisms exist by which nitrate reductase, an enzyme involved in the conversion of nitrate to ammonium ion, is repressed in the presence of _____.

Select the correct option

☐	Lactobacillus
☒	ammonia
☐	environmental nitrogen
☐	soya bean

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 5 of 10 (Start time: 10:06:16 PM, 29 December 2022)

Total Marks: 1

When the ammonium ion has been exhausted during fermentation, there is an alkaline drift as the _____ is used as an alternative nitrogen source.

Select the correct option

- ☐ ethanol
- ☐ HCL
- ☒ nitrate
- ☐ citric acid

Answers Solved By Amaan Khan
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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 6 of 10 (Start time: 10:06:52 PM, 29 December 2022)

Total Marks: 1

It has been shown in many studies that antibiotic production by many micro-organisms is influenced by the type and concentration of the _____ source in the culture medium.

Select the correct option

- ☐ carbon
- ☐ hydrogen
- ☐ oxygen
- ☒ nitrogen

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 7 of 10 (Start time: 10:07:37 PM, 29 December 2022)

Total Marks: 1

A typical oil contains approximately _____ times the energy of glucose on a per weight basis.

Select the correct option

☐	5
☒	2.4
☐	3
☐	8

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 8 of 10 (Start time: 10:08:04 PM, 29 December 2022)

Total Marks: 1

_____ is Best nitrogen sources for some secondary metabolites

Select the correct option

☐	drug
☒	penicilline
☐	medicine
☐	alcohol

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 9 of 10 (Start time: 10:09:31 PM, 29 December 2022)

Total Marks: 1

The use of complex _____ sources for antibiotic production has been common practice.

Select the correct option

☒	nitrogen
☐	carbohydrates
☐	salt
☐	sugar

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:04 PM, 29 December 2022

Question # 10 of 10 (Start time: 10:10:06 PM, 29 December 2022)

Total Marks: 1

Gaunt et al. (1984) demonstrated that when the medium of Mandels and Weber (1969) was autoclaved, a _____ precipitate of metal ions formed, containing all the iron and most of the calcium, manganese and zinc present in the medium.

Select the correct option

☐	pink
☒	white
☐	black
☐	red

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 1 of 10 (Start time: 10:11:24 PM, 29 December 2022)

Total Marks: 1

Some proteinaceous nitrogen compounds serving as sources of amino acids include corn-steep liquor, soya meal, peanut meal, _____.

Select the correct option

☐ oxygen.

☐ carbon.

☐ hydrogen.

☒ cotton-seed meal.

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 2 of 10 (Start time: 10:12:09 PM, 29 December 2022)

Total Marks: 1

On a weight basis n-alkanes have approximately _____ the carbon and three times the energy content of the same weight of sugar.

Select the correct option

☐ thrice

☐ four

☐ five times

☒ twice

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 3 of 10 (Start time: 10:12:39 PM, 29 December 2022)

Total Marks: 1

Ammonium salts such as _____ will usually produce acid conditions as the ammonium ion is utilized and the free acid will be liberated.

Select the correct option

☐ lipids

☐ proteins

☐ vitamins

☒ ammonium sulphate

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 4 of 10 (Start time: 10:13:18 PM, 29 December 2022)

Total Marks: 1

There are some advantages and disadvantages of hydrocarbons and their derivatives as fermentation substrates, particularly with reference to _____ process aspects and purity.

Select the correct option

☐ air

☐ system

☐ media

☒ cost

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 5 of 10 (Start time: 10:13:45 PM, 29 December 2022)

Total Marks: 1

Most industrially used micro-organisms can utilize inorganic or organic sources of _____

Select the correct option

☒	nitrogen
☐	oxygen
☐	hydrogen
☐	helium

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 6 of 10 (Start time: 10:14:11 PM, 29 December 2022)

Total Marks: 1

Organic nitrogen may be supplied as amino acid, _____ or urea.

Select the correct option

☐	hydrogen
☐	carbon
☐	oxygen
☒	protein

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 7 of 10 (Start time: 10:14:34 PM, 29 December 2022)

Total Marks: 1

It has been shown in many studies that antibiotic production by many micro-organisms is influenced by the type and concentration of the _____ source in the culture medium.

Select the correct option

☐ oxygen

☐ carbon

☒ nitrogen

☐ hydrogen

Answers Solved By Amaan Khan
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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 8 of 10 (Start time: 10:15:10 PM, 29 December 2022)

Total Marks: 1

The concentration of _____ in a medium, particularly laboratory media in shake flasks, is often much higher than that of other mineral components.

Select the correct option

☐ phytase

☐ polypeptide

☐ protease

☒ phosphate

Answers Solved By Amaan Khan
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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:11 PM, 29 December 2022

Question # 9 of 10 (Start time: 10:15:48 PM, 29 December 2022)

Total Marks: 1

When the ammonium ion has been exhausted during fermentation, there is an alkaline drift as the _____ is used as an alternative nitrogen source.

Select the correct option

- ☐ ethanol
- ☐ HCL
- ☐ citric acid
- ☒ nitrate

Answers Solved By Amaan Khan

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Question # 10 of 10 (Start time: 10:16:22 PM, 29 December 2022)

Total Marks: 1

Control mechanisms exist by which nitrate reductase, an enzyme involved in the conversion of nitrate to ammonium ion, is repressed in the presence of _____

Select the correct option

- ☒ ammonia
- ☐ Lactobacillus
- ☐ environmental nitrogen
- ☐ soya bean

Answers Solved By Amaan Khan

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 1 of 10 (Start time: 10:30:31 PM, 29 December 2022)

Total Marks: 1

Ideally, in any fermentation process, the _____ working capacity of a vessel should be used.

Select the correct option

☐ medium

☐ half

☒ maximum

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☐ minimum

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 2 of 10 (Start time: 10:31:19 PM, 29 December 2022)

Total Marks: 1

It has been shown in many studies that antibiotic production by many micro-organisms is influenced by the type and concentration of the _____ source in the culture medium.

Select the correct option

☒ nitrogen

Answers Solved By Amaan Khan

Contact: 0305-4716616

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☐ oxygen

☐ hydrogen

☐ carbon

Type here to search

BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

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VU Medical Zone

BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 3 of 10 (Start time: 10:31:33 PM, 29 December 2022)

Total Marks: 1

Some proteinaceous nitrogen compounds serving as sources of amino acids include corn-steep liquor, soya meal, peanut meal, _____.

Select the correct option

☒	cotton-seed meal	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	oxygen	
☐	carbon	
☐	hydrogen	

Type here to search

BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 4 of 10 (Start time: 10:31:45 PM, 29 December 2022)

Total Marks: 1

On a weight basis n-alkanes have approximately _____ the carbon and three times the energy content of the same weight of sugar.

Select the correct option

☐	five times	
☒	twice	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	thrice	
☐	four	

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BT603 – Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 5 of 10 (Start time: 10:31:58 PM, 29 December 2022)

Total Marks: 1

The use of complex _____ sources for antibiotic production has been common practice.

Select the correct option

☐ carbohydrates

☐ salt

☒ nitrogen

Answers Solved By Amaan Khan
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☐ sugar

Type here to search

12°C Mostly cloudy 10:33 PM 12/29/2022

BT603 – Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 6 of 10 (Start time: 10:32:14 PM, 29 December 2022)

Total Marks: 1

Most industrially used micro-organisms can utilize inorganic or organic sources of _____

Select the correct option

☐ helium

☒ nitrogen

Answers Solved By Amaan Khan
Contact: 0305-4716616
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☐ hydrogen

☐ oxygen

Type here to search

12°C Mostly cloudy 10:34 PM 12/29/2022

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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 7 of 10 (Start time: 10:32:50 PM, 29 December 2022)

Total Marks: 1

There are some advantages and disadvantages of hydrocarbons and their derivatives as fermentation substrates, particularly with reference to _____ process aspects and purity.

Select the correct option

☐	media
☐	air
☐	system
☒	cost

Answers Solved By Amaan Khan
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BT603 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 8 of 10 (Start time: 10:33:03 PM, 29 December 2022)

Total Marks: 1

Gaunt et al. (1984) demonstrated that when the medium of Mandels and Weber (1969) was autoclaved, a _____ precipitate of metal ions formed, containing all the iron and most of the calcium, manganese and zinc present in the medium.

Select the correct option

☒	white
☐	pink
☐	red
☐	black

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BT503 - Fermentation Technology (Quiz No. 2)

Quiz Start Time: 10:30 PM, 29 December 2022

Question # 9 of 10 (Start time: 10:33:18 PM, 29 December 2022)

Total Marks: 1

The concentration of _____ in a medium, particularly laboratory media in shake flasks, is often much higher than that of other mineral components.

Select the correct option

- ☐ phytase
- ☐ protease
- ☐ polypeptide
- ☒ phosphate

Answers Solved By Amaan Khan

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Question # 10 of 10 (Start time: 10:33:47 PM, 29 December 2022)

Total Marks: 1

It is common practice to use _____ as the carbon source in microbial fermentation processes.

Select the correct option

- ☐ hydrogen
- ☐ nitrogen
- ☒ carbohydrates
- ☐ oxygen

Answers Solved By Amaan Khan

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