

VU Medical Zone

BT 604 Quiz no 2 Spring 2022

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 1 of 10 (Start time: 01:33:26 AM, 17 August 2022)

Total Marks: 1

The activated form of Ribose 5-phosphate in the PP pathway is _____

Select the correct option

☐	Ribulose 5 phosphate
☒	Phosphoribosyl pyrophosphate
☐	Glyceraldehyde
☐	Pyrophosphate ribose

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

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 2 of 10 (Start time: 01:34:16 AM, 17 August 2022)

Total Marks: 1

The suppression of Glycolysis by oxygen is referred to as _____

Select the correct option

☐	Bottom-up effect
☒	Pastour effect
☐	Lyphalization
☐	Top-down effect

Answers Solved By Amaan Khan
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VU Medical Zone

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 3 of 10 (Start time: 01:35:06 AM, 17 August 2022)

Total Marks: 1

Aspergillus Niger is an example of -----

Select the correct option

☐ Virus

☐ Bacteria

☒ Filamentous Fungi

☐ Fungi

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 4 of 10 (Start time: 01:35:53 AM, 17 August 2022)

Total Marks: 1

The industrial microorganisms are useful because of -----

Select the correct option

☐ Diversity of potential products

☒ All of the above

☐ Easy growth

☐ Mass cultivation

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 5 of 10 (Start time: 01:36:04 AM, 17 August 2022)

Total Marks: 1

_____ are enzymes that differ in amino acid sequence but catalyze the same chemical reaction.

Select the correct option

☒	isozymes	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	co-enzymes	
☐	hydrolases	
☐	isomerases	

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 6 of 10 (Start time: 01:36:33 AM, 17 August 2022)

Total Marks: 1

The CBS culture collections has _____.

Select the correct option

☐	Archaea	
☒	All microorganisms	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None	
☐	Filamentous fungi collections	

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 7 of 10 (Start time: 01:38:10 AM, 17 August 2022)

Total Marks: 1

_____ chemical treated cells has the ability to uptake the DNA from surrounding

Select the correct option

☐ Neutrophils

☐ Epithelial cells

☐ Liver cells

☒ Competent cells

Answers Solved By Amaan Khan

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 8 of 10 (Start time: 01:39:35 AM, 17 August 2022)

Total Marks: 1

_____ are the organisms that are able to produce organic compounds from simple inorganic substances.

Select the correct option

☐ animals

☐ heterotrophs

☐ fungi

☒ autotrophs

Answers Solved By Amaan Khan

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 9 of 10 (Start time: 01:39:48 AM, 17 August 2022)

Total Marks: 1

Anabolism is the _____ of complex organic molecules

Select the correct option

☐ Degradation

☒ Biosynthesis

☐ Accumulation

☐ Dissociation

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:33 AM, 17 August 2022

Question # 10 of 10 (Start time: 01:40:05 AM, 17 August 2022)

Total Marks: 1

Chemolithotrophs utilize _____ as a source of energy.

Select the correct option

☐ protein

☐ organic compounds

☒ inorganic compounds

☐ glucose

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 1 of 10 (Start time: 01:25:25 AM, 17 August 2022)

Total Marks: 1

The availability of _____ and _____ can regulate fermentation under aerobic condition.

Select the correct option

☐ Oxygen and lactose

☒ Oxygen and sugars

☐ Sugar and pyruvate

☐ CO₂ and Sugar

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 2 of 10 (Start time: 01:27:02 AM, 17 August 2022)

Total Marks: 1

Chemolithotrophs utilize _____ as a source of energy.

Select the correct option

☐ protein

☐ glucose

☒ inorganic compounds

☐ organic compounds

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 3 of 10 (Start time: 01:27:56 AM, 17 August 2022)

Total Marks: 1

Traditional fermentations were originally performed by a mixture of _____

Select the correct option

☐ Acetic acid

☐ beverages

☐ Salts

☒ Microorganisms

Answers Solved By Amaan Khan

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 4 of 10 (Start time: 01:28:37 AM, 17 August 2022)

Total Marks: 1

There are almost around _____ cultures around the world.

Select the correct option

☒ 500

☐ 5000

☐ 400

☐ 4000

Answers Solved By Amaan Khan

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 5 of 10 (Start time: 01:29:03 AM, 17 August 2022)

Total Marks: 1

The activated form of Ribose 5-phosphate in the PP pathway is _____

Select the correct option

- ☐ Ribulose 5 phosphate
- ☐ Pyrophosphatase ribose
- ☐ Glyceraldehyde
- ☒ Phosphoribosyl pyrophosphate

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 6 of 10 (Start time: 01:29:17 AM, 17 August 2022)

Total Marks: 1

The isolated pure cultures must be tested for _____

Select the correct option

- ☐ Production of specific enzyme
- ☒ Both of them
- ☐ None of them
- ☐ Inhibitory compounds

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 7 of 10 (Start time: 01:30:17 AM, 17 August 2022)

Total Marks: 1

Synthesis of Anabolic enzymes is mostly controlled through _____

Select the correct option

☐ Suppression

☒ Repression

Answers Solved By Amaan Khan
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☐ None of them

☐ Both of them

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 8 of 10 (Start time: 01:31:24 AM, 17 August 2022)

Total Marks: 1

The industrial microorganisms are useful because of _____

Select the correct option

☐ Diversity of potential products

☒ All of the above

Answers Solved By Amaan Khan
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☐ Easy growth

☐ Mass cultivation

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 9 of 10 (Start time: 01:31:51 AM, 17 August 2022)

Total Marks: 1

All of these processes are anabolic EXCEPT.....

Select the correct option

☐ calvin cycle

☐ protein formation

☒ glycolysis

☐ photosynthesis

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:25 AM, 17 August 2022

Question # 10 of 10 (Start time: 01:32:06 AM, 17 August 2022)

Total Marks: 1

The industrial microorganisms must be

Select the correct option

☐ None of them

☒ Both of them

☐ Efficiently productive

☐ Genetically stable

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 1 of 10 (Start time: 01:16:39 AM, 17 August 2022)

Total Marks: 1

_____ are enzymes that differ in amino acid sequence but catalyze the same chemical reaction.

Select the correct option

☐ isomerases

☐ hydrolases

☒ isozymes

☐ co-enzymes

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 2 of 10 (Start time: 01:17:55 AM, 17 August 2022)

Total Marks: 1

The strain improvement has been accomplished by using methods of _____

Select the correct option

☐ Genetic recombination

☐ Recombination events

☒ Both of Them

☐ None

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 3 of 10 (Start time: 01:18:57 AM, 17 August 2022)

Total Marks: 1

The industrial microorganisms must be _____

Select the correct option

☐ Efficiently productive

☒ Both of them

Answers Solved By Amaan Khan
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☐ None of them

☐ Genetically stable

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 4 of 10 (Start time: 01:19:40 AM, 17 August 2022)

Total Marks: 1

_____ are the organisms that are able to produce organic compounds from simple inorganic substances.

Select the correct option

☐ heterotrophs

☒ autotrophs

Answers Solved By Amaan Khan
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☐ animals

☐ fungi

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BT504 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 5 of 10 (Start time: 01:19:55 AM, 17 August 2022)

Total Marks: 1

The archaeans uses _____ and _____

Select the correct option

- ☐ Chlorophylls and photopigments
- ☐ Chlorophyll and bacteriorhodopsin
- ☒ Bacteriorhodopsin and non-chlorophyll pigment
- ☐ Bacteriophylls and chlorophylls

Answers Solved By Amaan Khan
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BT504 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 6 of 10 (Start time: 01:21:22 AM, 17 August 2022)

Total Marks: 1

Chemolithotrophs utilize _____ as a source of energy.

Select the correct option

- ☐ organic compounds
- ☐ glucose
- ☒ inorganic compounds
- ☐ protein

Answers Solved By Amaan Khan
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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 7 of 10 (Start time: 01:21:51 AM, 17 August 2022)

Total Marks: 1

_____ is a major component of cell wall of gram positive bacteria.

Select the correct option

☒	peptidoglycan	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	glycocalyx	
☐	Lipoteichoic acid	
☐	mycolic acid	

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 8 of 10 (Start time: 01:22:38 AM, 17 August 2022)

Total Marks: 1

The nucleosides have no _____.

Select the correct option

☒	Phosphate group	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of the above	
☐	Nitrogenous base	
☐	Sugar unit	

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BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 9 of 10 (Start time: 01:22:51 AM, 17 August 2022)

Total Marks: 1

The production and manufacturing costs can be reduced by _____

Select the correct option

☒	Strain improvement	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of them	
☐	Storage of strains	
☐	Extra ample collection	

BT604 - Industrial Biotechnology (Quiz#2 (Post-Mid))

Quiz Start Time: 01:16 AM, 17 August 2022

Question # 10 of 10 (Start time: 01:23:07 AM, 17 August 2022)

Total Marks: 1

The activated form of Ribose 5-phosphate in the PP pathway is _____

Select the correct option

☐	Pyrophosphatase ribose
☐	Glyceraldehyde
☐	Ribulose 5 phosphate
☒	Phosphoribosyl pyrophosphate

Answers Solved By Amaan Khan
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