

The protozoans are capable of digesting -----, and bacteria in the gut generate CH₄ from the organic compounds released from the cellulose degradation

Select the correct option

- ☐ ketose
- ☐ Sucrose
- ☐ Glucose
- ☐ Cellulose

Click at least one correct answer to receive the mark



The first therapeutic antibodies, especially monoclonal antibodies, have been on the market since the late -----

Select the correct option

☐	1970s
☐	1990s
☐	1910s
☐	1980s

Question 8 of 10 (100% correct)



The most widely employed methods for classifying microbes are following -----

Select the correct option

- ☐ differential staining
- ☐ biochemical testing
- ☐ morphological characteristics
- ☐ All of above

Click to View Answers & More MCQs (Unlocked)



The study of nature of genetic information and its role in regulation of development of cells and involved in production of new microbial strains that are more efficient in synthesizing useful products called as -----.

Select the correct option

- | | |
|-----------------------|--------------------|
| ☐ | none |
| ☐ | Microbial genetics |
| ☐ | both |
| ☐ | Molecular biology |

Click on flag icon to Mark as Incorrect



The only organisms capable of removing N_2 gas from the atmosphere and "fixing" it into a useable nitrogen form, ammonia and ammonium, (NH_3 , NH_4), are

Select the correct option

- ☐ Fungi
- ☐ virus
- ☐ Bacteria
- ☐ plant

1 Correct 0 Incorrect 0 Wrong 0 Good Answers



Deformation of a material substance in which parallel internal surfaces slide past one another.

Select the correct option

☐	Shear stress
☐	Friction
☐	Tensile stress
☐	none

Click here to view the question



The microbe present in nasal cavity on second number (in 41% cases)

Select the correct option



Staphylococcus aureus



Staphylococcus epidermidis



Diphtheroids



Streptococcus pneumoniae

Submit Answer & Proceed to Next Question



The pH range of Alkaliphiles are -----

Select the correct option

☐ 7.5-11.5

☐ 0.0-6.5

☐ 3.4-6.7

☐ 4-7

Continue to next question



Genetically engineered animals are criticized because

Select the correct option

- ☐ Suffer more health problems
- ☐ Allergic reactions
- ☐ Cause genetic Pollution
- ☐ All given

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The Golden Rice variety is rich in

Select the correct option

☐ Biotin

☐ Lysine

☐ Vitamin C

☐ B-carotene and ferritin

Go to Question Answer All Questions Next Question





----- produce Bt-toxin which is lethal for insects if ingested, but non- pathogenic to humans and other animals.

Select the correct option



Anoxybacillus



Bacillus thuringiensis



Bacillus subtilis



E.coli

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5:16 37%

quiz.vu.edu.pk/QuizQue

BC190413639: DAMINA SHAHZADI

Time Left 88 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 05:11 PM, 29 June 2022

Question # 8 of 10 (Start time: 05:16:44 PM, 29 June 2022)

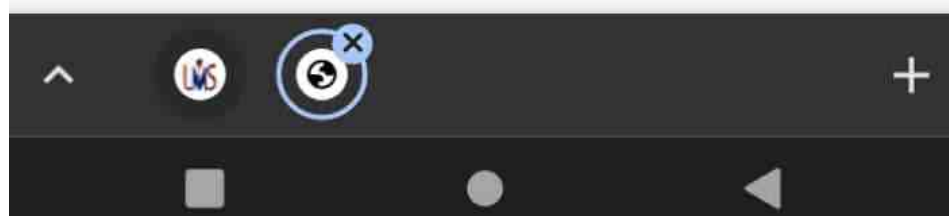
Total Marks:

Physiological Factors involved in production of industrially important strains are -----

Select the correct option

- ☐ Morphology
- ☐ Shear Sensitivity
- ☐ Metabolic by-products
- ☐ All of above

Submit your Answer & Mark as Best Question





Microorganisms used in biotechnology are not

Select the correct option



Rapidly manipulated



Easy to culture



Pathogenic



All

Go to Question Answer All Questions Next Question





The study of nature of genetic information and its role in regulation of development of cells and involved in production of new microbial strains that are more efficient in synthesizing useful products called as -----

Select the correct option



Microbial genetics



both



Molecular biology



none

Submit your Answer & Mark as Best Question





Biodiesel, Biogas and syngas is an example of

Select the correct option



Third generation biofuel



All of above



Second generation biofuel



First generation biofuel

Go back to Question List | Marked | Next Question





10/10/2023, 5:25 PM

Quiz

10/10/2023, 5:25 PM

10/10/2023, 5:25 PM

10/10/2023, 5:25 PM

10/10/2023, 5:25 PM

10/10/2023, 5:25 PM

The first letter of the genus name is always written as _____

Add Answer or Report

- ☐ Small
- ☐ Capitalize
- ☐ Bold
- ☐ Italicized

[View Answer](#)



00:00:00 (Time left: 00:00:00)

Time left: 00:00:00

If you are a student, please log in.

You are logged in as (Name) (ID)

Question 8 / 10 (100%) (00:00:00, 20 Nov 2020)

You have

The study of nature of genetic information and its role in regulation of development of cells and involved in production of new microbial strains that are more efficient in synthesizing useful products called as _____.

Select the correct answer

- ☐ none
- ☐ Microbial genetics
- ☐ Molecular biology
- ☐ both

Submit Answer



5:19 36%

quiz.vu.edu.pk/QuizQue 84

BC190413639: DAMINA SHAHZADI Time Left 87 sec(s)

BT402:Quiz no. 1 Quiz Start Time: 05:11 PM, 29 June 2022

Question # 10 of 10 (Start time: 05:19:17 PM, 29 June 2022) Total Marks:

The viral capsid is surrounded by an additional spikey coat called -----

Select the correct option

- ☐ Envelope
- ☐ Antigen presenting cell
- ☐ Pathogen recognition receptor
- ☐ Spikes

Submit Answer & Mark as Best Answer





The lower limit of eye's resolution is about -----

Select the correct option



0.3 to 0.6 mm or 100 - 200 μ m



0.1 to 0.2 mm or 100 - 300 μ m



0.1 to 0.5 mm or 100 - 200 μ m



0.1 to 0.2 mm or 100 - 200 μ m

Go to Question Answer & Marked Questions





00:00:00 (Time left: 00:00:00)

Time left: 00:00:00

If you are a student, please log in.

You are logged in as: 20-10-2020

Question 8 of 10: (Answered: 00:00:00, 20-10-2020)

You have

The study of synthesis of antibiotics and toxins, microbial energy production, microbial nitrogen fixation and effects of chemical and physical agents on microbial growth and survival etc called as ———

Select the correct answer:

- ☐ Anatomy
- ☐ Biochemistry
- ☐ Physiology
- ☐ Microbial physiology and Biochemistry

Submit Answer



You are logged in as [\[username\]](#)

Time left: 10:00

Progress: 0/10

You have 10:00 left to complete this quiz.

Question 1 of 10: [View question history](#)

View Answer

Most common example of GM animal is _____

Select the correct option:

- ☐ cow
- ☐ Dolly sheep
- ☐ cat
- ☐ Transparent frog

[View question history](#)



You are logged in as user123

Time left: 10:00

Question 1 of 10

You have 10:00 left to complete this quiz.

Question 1 of 10: (10:00) 10:00, 10:00, 10:00

View Answer

The process of making genetically engineering animals is a slow, tedious, and ————process.

Select the correct answer

- ☐ Both
- ☐ Expensive
- ☐ none
- ☐ Cost effective

Submit Answer





You are logged in as user (logout)

Time left: 10:00

Progress: 0/10

Last seen: 2020-06-20 10:00

Question 1 of 10 (100%) (100%) (100%)

View Answer

A general method of differentiating bacterial species into two large groups is called as—

Select the correct answer

- ☐ Giemsa staining
- ☐ Gram staining
- ☐ Ziehl-Neelsen staining
- ☐ differential staining

Submit Answer





00:00:00 (Time left: 00:00:00)

Time left: 00:00:00

00:00:00

00:00:00 (Time left: 00:00:00)

Question 1 of 10: (100%) (100%) (100%)

See Answer

An edible vaccine is an ——— protein that is produced in the consumable parts of a plant (e.g., fruit) and absorbed into the bloodstream when the parts are eaten.

Select the correct answer

☐ Antigenic☐ Innate☐ none☐ adaptive



You are logged in as user123

Time left: 10:00

Question 1 of 10

You have 10:00 left to complete this quiz.

Question 1 of 10: (10:00 left to complete this quiz)

You have

The most common bacteria present in human gut is _____

Select the correct answer

- ☐ none
- ☐ E. coli
- ☐ Archaeobacteria
- ☐ Cyanobacteria

Submit Answer





10/10/2023, 5:30 PM

Quiz

10/10/2023, 5:30 PM

10/10/2023, 5:30 PM

10/10/2023, 5:30 PM

10/10/2023, 5:30 PM

_____ are the most important decomposers of structural plant compounds (cellulose and lignin)

Add Answer or Report

Animal



protozoa



Plant



Fungi





0/10000 words left to read

Time left: 10:00

Progress: 0/10000

Last seen: 20/05/2023, 20:00:00

Question 8 of 10 (10000 words left to read)

Time: 10:00

Agrobacterium is bacteria that uses a method ———— for the transfer of DNA between different genomes

Select the correct answer

- ☐ Recombination
- ☐ none
- ☐ Genetic engineering
- ☐ Horizontal gene transfer (HGT)

Submit Answer





The pH range of Neutrophiles are -----

Select the correct option

☐ 3.4-7.6

☐ 7.7-7.8

☐ none

☐ 6.5-7.5

Go to Question Answer & Marked Questions



Issue in Strain improvement involves?

Select the correct option

- ☐ Selection of natural Variants
- ☐ ALL
- ☐ Use of recombinant technology
- ☐ Selection of induced mutants

Clear All Save Answer & Move to Next Question





An example of FAT soluble vitamin is

Select the correct option



Vitamin C



Vitamin A



Vitamin K



Vitamin B

Go to Question Answer & Marked Questions



The process was originated in ----- when French chemist Louis Pasteur demonstrated that fermentation was caused by yeast.

Select the correct option :

☐ 1923

☐ 1944

☐ 1856

☐ 1876

Go to question 1 of 10



Mixing is done for ————— of contents present in a bioreactor

Select the correct option

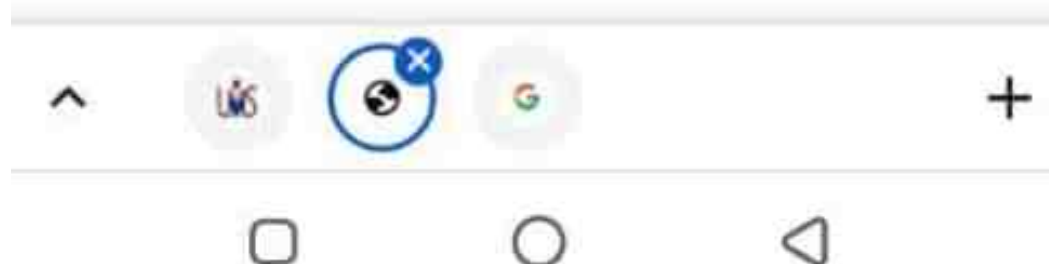
☐ To increase nutrients

☐ Homogenization

☐ To increase volume

☐ To remove air

Submit your answer



Bacteria have ----- ways of transferring bacteria between cells

Select the correct option

☐ Transduction

☐ All of above

☐ Transformation

☐ Conjugation

Submit Answer

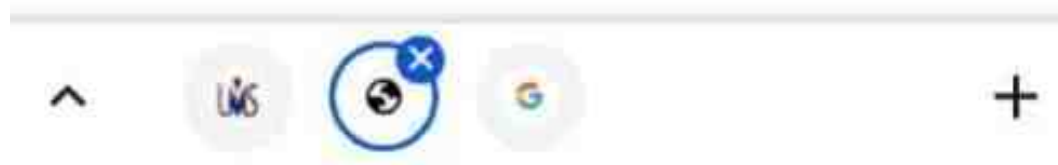


The only organisms capable of removing N_2 gas from the atmosphere and "fixing" it into a useable nitrogen form, ammonia and ammonium, (NH_3 , NH_4), are

Select the correct option

- ☐ virus
- ☐ plant
- ☐ Bacteria
- ☐ Fungi

Submit your answer





100% K/s

100% K/s

100% K/s

100% K/s

100% K/s

100% K/s

The yeast that is used most often in the baking of bread is --

100% K/s

☐ Schizosaccharomyces pombe



☐ Saccharomyces cerevisiae



☐ Candida albican



☐ none



The Golden Rice variety is rich in

Select the correct option

- ☐ Lysine
- ☐ Biotin
- ☐ Vitamin C
- ☐ B-carotene and ferritin

View question history

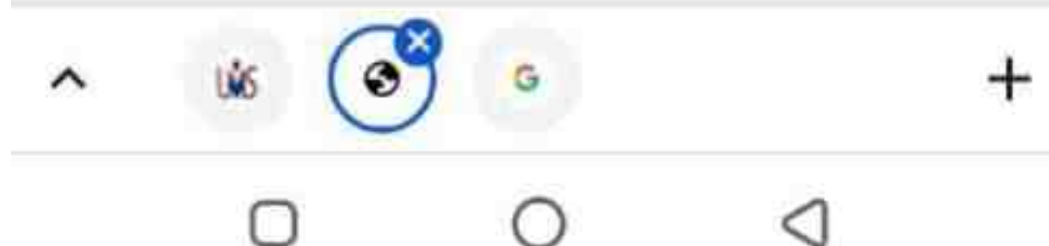


Issue in Strain improvement involves?

Select the correct option

- ☐ Use of recombinant technology
- ☐ Selection of natural Variants
- ☐ ALL
- ☐ Selection of induced mutants

Q402 Quiz | 100% / 100 correct answers



In 1920, who discovered penicillin and used in large scale manufacturing of penicillin in 1944.

Select the correct option

- ☐ Frederick Griffith
- ☐ Alexander Fleming
- ☐ Alexander crick
- ☐ Antony Van Leeuwenhoek

Submit | Previous | Next | Quit



CO_2 is a by-product produce during ----- in fermenter

Select the correct option

- ☐ aerobic respiration
- ☐ both of above
- ☐ none
- ☐ anaerobic respiration

Submit your answer



The scientist are now using archaea to study the origins of life on Earth and other planet called as -----

Select the correct option

- ☐ Astrobiologists
- ☐ none of above
- ☐ Herpetologist
- ☐ Seismologists

Submit Answer



2:22

19 K/S 56



quiz.vu.edu.pk/Q



1



BC200204161: MARYAM

Time Left 88 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 10 of 10 (Start time: 02:22:43 PM, 29 June 2022)

Total Marks: 1

The enzyme that is used to attach the new DNA segments is called -----

Select the correct option



DNA ligase



DNA polymerase I



none



DNA polymerase

Click to Show Answer & Move to Next Question





BC200204161: MARYAM

Time Left 85 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 8 of 10 (Start time: 02:20:45 PM, 29 June 2022)

Total Marks: 1

Microbial mining is where acidophilic bacteria, such as are used to obtain copper from their ore. Acidic solution is showered over the copper ore, to increase bacterial growth residing in the soil

Select the correct option



Sulfobacillus



None



Acidithiobacillus thiooxidans



Thiobacillus ferrooxidans

Click to Save Answer & Marked Incorrect





BC200204161: MARYAM

Time Left 73 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 5 of 10 (Start time: 02:19:15 PM, 29 June 2022)

Total Marks:

One example of bacteria that protects the skin is-----
----- . It produces bacitracin on the skin, a toxin that helps it in fighting with other microbes.

Select the correct option



Vibrio



Bacillus subtilis



E.coli



Salmonella

(Click on Save Answer & Move to Next Question)



2:17

21 K/s 57



quiz.vu.edu.pk/Q



BC200204161: MARYAM

Time Left 87 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 4 of 10 (Start time: 02:17:32 PM, 29 June 2022)

Total Marks:

Microorganisms used in biotechnology are not

Select the correct option



Rapidly manipulated



All



Pathogenic



Easy to culture

(Click on Save Answer & Move to Next Question)



2:17

🔇 📶 1 K/S 57



quiz.vu.edu.pk/Q



BC200204161: MARYAM

Time Left 85 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 3 of 10 (Start time: 02:17:02 PM, 29 June 2022)

Total Marks:

Which types of microorganisms is not involved in food spoilage?

Select the correct option



Virus



yeast



moulds



bacteria

(Click on Save Answer & Move to Next Question)



2:15

40 K/s 57



quiz.vu.edu.pk/Q



BC200204161: MARYAM

Time Left 88 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 02:13 PM, 29 June 2022

Question # 2 of 10 (Start time: 02:14:57 PM, 29 June 2022)

Total Marks:

----- is based on designing a selection scheme in which only strains with the desired property can grow.

Select the correct option



Stabilizing selection



Natural selection



Dominant Selection



None

(Click on Save Answer & Move to Next Question)





The experiments on principle of transformation was done by using bacteria -----

Select the correct option



Streptococcus pneumonia



Sulfobacillus



Acidithiobacillus



Thiobacillus ferrooxidans

Click to View Answer & Move to Next Question



2:10

4 K/s 57



quiz.vu.edu.pk/Q



BC190408358: SAMRA ARIF

Time Left 88 sec(s)

BT402:Quiz no. 1

Quiz Start Time: 01:59 PM, 29 June 2022

Question # 10 of 10 (Start time: 02:09:58 PM, 29 June 2022)

Total Marks:

In bioreactor, Pumping is done for

Select the correct option



Exchange of heat from the bioreactor



Blending of mixtures



Achieving constant cell growth



All of above

(Click on True/False or Move to Next Question)

2:08

8 K/S 58



quiz.vu.edu.pk/Q



BC190408358: SAMRA ARIF

Time Left 86 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 01:59 PM, 29 June 2022

Question # 9 of 10 (Start time: 02:08:46 PM, 29 June 2022)

Total Marks:

Microbes include the

Select the correct option



Fungi



All of these



Protozoa.



Algae

(Click on Save Answer & Move to Next Question)



The Report (1980) presented by ----- defined biotechnology as 'the application of biological organisms, systems or processes to the manufacturing and service industries

Select the correct option



Chase



Spinks



United States Congress's Office of Technology Assessment



Watson

Click to See Answer & Move to Next Question

Aeration is done to ensure the availability of ----- for microbial growth. Sparger are used to achieve aeration.

Select the correct option



Oxygen



Carbon dioxide



Nitrogen



ozone

Click to Show Answer & Move to Next Question

2:05

135 B/s 58



quiz.vu.edu.pk/Q



1



BC190408358: SAMRA ARIF

Time Left 85 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 01:59 PM, 29 June 2022

Question # 6 of 10 (Start time: 02:05:38 PM, 29 June 2022)

Total Marks:

The science of classifying organisms is called -----

Select the correct option



Ornithology



Arachnology



Taxonomy



Entomology

Click to Save Answer & Move to Next Question



2:05

335 B/s 58



quiz.vu.edu.pk/Q



BC190408358: SAMRA ARIF

Time Left 61 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 01:59 PM, 29 June 2022

Question # 5 of 10 (Start time: 02:04:45 PM, 29 June 2022)

Total Marks:

Penicillium notatum is a _____

Select the correct option



fungi



Blue green algae



slime moulds



Green mould

Click to Save Answer & Move to Next Question



2:03



quiz.vu.edu.pk/Q



1



BC190408358: SAMRA ARIF

Time Left 85 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 01:59 PM, 29 June 2022

Question # 4 of 10 (Start time: 02:03:23 PM, 29 June 2022)

Total Marks:

The yeast that is used most often in the baking of bread is -----.

Select the correct option



Saccharomyces cerevisiae



none



Schizosaccharomyces pombe



Candida albican

(Click on Save Answer & Move to Next Question)



Physiological Factors involved in production of industrially important strains are -----

Select the correct option



All of above



Morphology



Metabolic by-products



Shear Sensitivity

Click to Show Answer & Move to Next Question

Downstream processing is required to remove -----
-- and ----- from the desired product present in
bioreactor.

Select the correct option



Impurities



All of above



Impurities, bulk-volume reduction



bulk-volume reduction, concentration of the desired
product

[Click to See Answer & Move to Next Question](#)

A general method of differentiating bacterial species into two large groups is called as-----

Select the correct option



Gram staining



Ziehl-Neelsen staining



differential staining



Giemsa staining

Click to Show Answers & Move to Next Question

Recent research findings have revealed that ----- can be used in treating bladder cancer, as the BCG strain in microorganism kills the tumor.

Select the correct option

- ☐ Mycobacterium leprae
- ☐ Mycobacterium tuberculosis
- ☐ Mycobacterium avium
- ☒ Mycobacterium bovis

Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 01:43:39 PM, 29 June 2022)

Total Marks:

_____ is the best solution to the problem of world hunger

Select the correct option

- ☒ Gene technology
- ☐ Agriculture
- ☐ Botany
- ☐ Microbiology

[Click to Save Answer & Move to Next Question](#)

If a transferred gene comes from different specie this is called _____ gene transfer

Select the correct option

- | | |
|----------------------------------|------------|
| ☐ | Vertical |
| ☐ | Circular |
| ☒ | Horizontal |
| ☐ | Linear |

Click to Save Answer & Move to Next Question

1:43



quiz.vu.edu.pk/Q



BC190202540: MUHAMMAD MAHID

Time Left 83 sec(s)

BT402: Quiz no. 1

Quiz Start Time: 01:35 PM, 29 June 2022

Question # 7 of 10 (Start time: 01:43:22 PM, 29 June 2022)

Total Marks:

Yeast, especially----- is used to leaven bread, brew beer and make wine.

Select the correct option



Schizosaccharomyces pombe



Candida albican



None



Saccharomyces cerevisiae

[Click to Save Answer & Move to Next Question](#)

The scientist are now using archaea to study the origins of life on Earth and other planet called as -----

Select the correct option



none of above



Astrobiologists



Herpetologist



Seismologists

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 01:41:11 PM, 29 June 2022)

Total Marks: 1

The micro-organisms occurring on and in foods are divided into three groups.

Select the correct option

☐

Bacteria and molds.

☐

Bacteria, Virus and molds.

☐

Bacteria, Fungi and molds

☒

Bacteria, yeast and molds



Click to Save Answer & Move to Next Question

The most widely employed methods for classifying microbes are following -----

Select the correct option

☐ morphological characteristics



☒ All of above



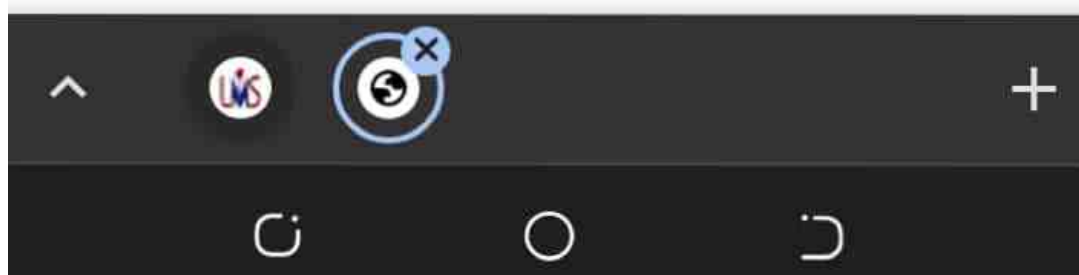
☐ biochemical testing



☐ differential staining



Click to Save Answer & Move to Next Question



The experiments on principle of transformation was done by using bacteria -----

Select the correct option

- | | |
|----------------------------------|---------------------------|
| ☐ | Acidithiobacillus |
| ☐ | Thiobacillus ferrooxidans |
| ☒ | Streptococcus pneumonia |
| ☐ | Sulfobacillus |

▶ Saving..

Question # 2 of 10 (Start time: 01:37:29 PM, 29 June 2022)

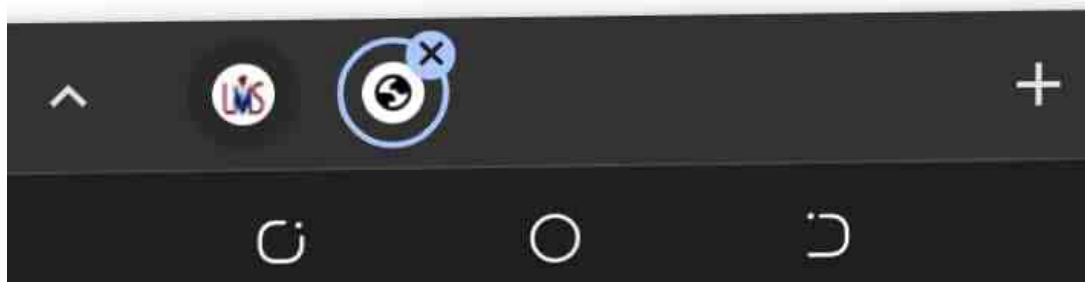
Total Marks:

A type of fungus ----- has been developed into meat substitute for human consumption.

Select the correct option

- ☐ *Fusarium graminearum*
- ☐ *Agaricus bitorquis*
- ☐ *Agrocybe molesta*
- ☐ *Aleurodiscus wakefieldiae*

Answered Correctly 100%





Good hygienic practices are extremely important to prevent contamination in meat and other foods, in addition to proper handling, cooking and cooling practices.

Select the correct option

- ☐ Staphylococcus
- ☐ Streptococcus
- ☐ E.coli
- ☐ Bacillus

QUIZ TIME: 01:35:53 PM, 29 June 2022



The pH range of Alkaliphiles are -----

Select the correct option

3.4-6.7



7.5-11.5



0.0-6.5



4-7



Click to Save Answer & Move to Next Question



On land, the decomposition of dead organic matter also called as -----.

Select the correct option

- | | |
|----------------------------------|----------------|
| ☒ | none |
| ☐ | Bioremediation |
| ☐ | Both of above |
| ☐ | Mineralization |



Click to Save Answer & Move to Next Question

The pH range of Acidophiles are -----

Select the correct option



3.4-6.7



4-7



5-11



0.0-6.5

Click to Show Answers & Move to Next Question

Which Microorganisms are used in the production of fermented food and beverages.

Select the correct option

☐

Yeast

☐

Penicillium

☐

All of above

☐

Lactobacillus

Click to Show Answer & Move to Next Question

Recent research findings have revealed that ----- can be used in treating bladder cancer, as the BCG strain in microorganism kills the tumor.

Select the correct option

- ☒ Mycobacterium leprae
- ☐ Mycobacterium tuberculosis
- ☐ Mycobacterium bovis
- ☐ Mycobacterium avium



Click to Save Answer & Move to Next Question

The process was originated in ----- when French chemist Louis Pasteur demonstrated that fermentation was caused by yeast.

Select the correct option :

☐ 1923

☐ 1944

☐ 1856

☐ 1876

Go to question 1 of 10



Bacteria have ----- ways of transferring bacteria between cells

Select the correct option:



Transduction



All of above



Transformation



Conjugation

Submit your answer



Question # 5 of 10 (Start time: 07:43:17 PM, 28 June 2022)

An edible vaccine is an _____ protein that is produced in the consumable parts of a plant (e.g., fruit) and absorbed into the bloodstream when the parts are eaten.

Select the correct option

☐	adaptive
☐	Innate
☐	none
☒	Antigenic

Question # 3 of 10 (Start time: 07:41:21 PM, 28 June 2022)

Microbial mining is where acidophilic bacteria, such as are used to obtain copper from their ore. Acidic solution is showered over the copper ore, to increase bacterial growth residing in the soil surrounding the ore.

Select the correct option

- ☐ Sulfobacillus
- ☐ None
- ☐ Acidithiobacillus thiooxidans
- ☐ Thiobacillus ferrooxidans

Type here to search

BC190408708: KANEEZ FATIMA

BT402: Quiz no. 1

Question # 1 of 10 (Start time: 07:39:06 PM, 28 June 2022)

microorganisms digest harmful chemicals, such as pollutants and chemical wastes produced by the industry through a process known as _____

Select the correct option

- | | |
|-----------------------|----------------|
| ☐ | bioremediation |
| ☐ | biomining |
| ☐ | bioabsorption |
| ☐ | composting |

_____ organism can be genetically modified

Select the correct option

☐	Plants
☒	Animal
☐	Microbes
☐	All given

Question # 8 of 10 (Start time: 07:47:12 PM, 28 June 2022)

The evolution of Microorganisms came into being on earth over a period of about?

Select the correct option

☐	2 billion
☐	1.2 to 1.5 billion
☐	3 billion
☐	2 to 3 billion

Question # 10 of 10 (Start time: 07:49:09 PM, 28 June 2022)

Syngenta has designed Golden Rice with an increased amount of pro-vitamin _____, which the human body may turn into the active form.

Select the correct option

- | | |
|----------------------------------|-----------|
| ☐ | Vitamin C |
| ☐ | Vitamin A |
| ☐ | Vitamin B |
| ☒ | Vitamin E |

Question # 2 of 10 (Start time: 07:40:07 PM, 28 June 2022)

Plants need nitrates to make _____

Select the correct option

☒	Carbohydrates
☐	amino acids
☐	DNA
☐	Lipids

T402:Quiz no. 1

Question # 7 of 10 (Start time: 07:45:57 PM, 28 June 2022)

A type of fungus ——— has been developed into meat substitute for human consumption

Select the correct option



Agaricus bitorquis



Agrocybe molesta



Aleurodiscus wakefieldiae



Fusarium graminearum



Type here to search



Microorganisms are essential for the _____ to function

Select the correct option



Galaxy



All given



Universe



Earth



Type here to search



Question # 1 of 10 (Start time: 07:56:11 PM, 28 June 2022)

GM Plants are economically beneficial because they are used to repel _____

Select the correct option

☐	Algae
☐	viruses
☐	Bacteria
☐	Pests

BC190408708: KANEEZ FATIMA

BT402:Quiz no. 1

Question # 9 of 10 (Start time: 07:48:06 PM, 28 June 2022)

If a transferred gene comes from different specie this is called _____ gene trans

Select the correct option

- | | |
|----------------------------------|------------|
| ☐ | Linear |
| ☒ | Vertical |
| ☐ | Circular |
| ☐ | Horizontal |

Genetically engineered animals are criticized because

Select the correct option

- ☐ Suffer more health problems
- ☐ Allergic reactions
- ☐ Cause genetic Pollution
- ☐ All given

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The protozoans are capable of digesting -----, and bacteria in the gut generate CH₄ from the organic compounds released from the cellulose degradation

Select the correct option

- ☐ ketose
- ☐ Sucrose
- ☐ Glucose
- ☐ Cellulose

Click at least one correct answer to receive the mark



The first therapeutic antibodies, especially monoclonal antibodies, have been on the market since the late -----

Select the correct option

- | | |
|-----------------------|-------|
| ☐ | 1970s |
| ☐ | 1990s |
| ☐ | 1910s |
| ☐ | 1980s |

Question 8 of 10 answered



The most widely employed methods for classifying microbes are following -----

Select the correct option

- ☐ differential staining
- ☐ biochemical testing
- ☐ morphological characteristics
- ☐ All of above

Click on the correct answer & Marked Best Answer



The study of nature of genetic information and its role in regulation of development of cells and involved in production of new microbial strains that are more efficient in synthesizing useful products called as -----.

Select the correct option

- | | |
|-----------------------|--------------------|
| ☐ | none |
| ☐ | Microbial genetics |
| ☐ | both |
| ☐ | Molecular biology |

Click on flag icon to mark question



Deformation of a material substance in which parallel internal surfaces slide past one another.

Select the correct option

☐	Shear stress
☐	Friction
☐	Tensile stress
☐	none

Click here to view the correct answer



The microbe present in nasal cavity on second number (in 41% cases)

Select the correct option



Staphylococcus aureus



Staphylococcus epidermidis



Diphtheroids



Streptococcus pneumoniae

Submit Answer & Proceed to Next Question



The only organisms capable of removing N_2 gas from the atmosphere and "fixing" it into a useable nitrogen form, ammonia and ammonium, (NH_3 , NH_4), are

Select the correct option

- ☐ Fungi
- ☐ virus
- ☐ Bacteria
- ☐ plant

1 Correct 0 Incorrect 0 Wrong 0 Skipped Questions



The pH range of Alkaliphiles are -----

Select the correct option

☐ 7.5-11.5

☐ 0.0-6.5

☐ 3.4-6.7

☐ 4-7

Continue to next question



Issue in Strain improvement involves?

Select the correct option

- ☐ Selection of natural Variants
- ☐ ALL
- ☐ Use of recombinant technology
- ☐ Selection of induced mutants

Clear All Save Answer & Move to Next Question



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quiz.vu.edu.pk/QuizQuestion



RC180609217: ZEEJA ZAFAR

Time Left: 90 min(s)

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 10 of 10 (Start Time: 11:57:00 AM, 29 June 2022)

Total Marks:

Similarly, recent development has suggested that ----- could be used as antibiotics, since they ingest E.coli, Salmonella spp. and other disease causing gram-negative bacteria, without affecting the humans.

Select the correct option



Mycobacterium leprae



Bacillus



Bdellovibrio bacteriovorus



Mycobacterium tuberculosis

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RC180609217: ZEEJA ZAFAR

Time Left: 09:00

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 9 of 10 (Start time: 11:56:11 AM, 29 June 2022)

Total Marks:

If a transferred gene comes from different specie this is called _____ gene transfer

Select the correct option



Horizontal



Circular



Linear



Vertical

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RC180609217: ZEEJA ZAFAR

Time Left: 00:00:00

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question 4 of 10 (Start time: 11:55:25 AM, 29 June 2022)

Total Marks:

The most common examples of microorganisms that are used as Bio fertilizers and Biopesticides.

Select the correct option



All of above



Azotobacter



Bacillus



Rhizobium

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RC180609217: ZEEJA ZAFAR

Time Left: 8:00 min(s)

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 7 of 10 (Start time: 11:54:35 AM, 29 June 2022)

Total Marks:

_____ organism can be genetically modified

Select the correct option

☐ Animal☐ Microbes☐ All given☐ Plants

Go to Previous Question | Go to Next Question



No Internet connection



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RC180609217: ZEEJA ZAFAR

Time Left: 90 min(s)

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 0 of 10 (Start time: 11:54:06 AM, 29 June 2022)

Total Marks:

Which Microorganisms are used in the production of fermented food and beverages.

Select the correct option



Lactobacillus



All of above



Yeast



Penicillium

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RC180609217: ZEEJA ZAFAR

Time Left: 90 min(s)

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 5 of 10 (Start time: 11:53:43 AM, 29 June 2022)

Total Marks:

Microorganisms are essential for the _____ to function

Select the correct option



Universe



All given



Galaxy



Earth

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RC180609217: ZEEJA ZAFAR

Time Left: 00:00:00

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 4 of 10 (Start time: 11:51:41 AM, 29 June 2022)

Total Marks:

A polymer of glycan and peptides found in bacterial cell wall called as

_____.

Select the correct option

☐ Glycolipid☐ Peptidoglycan☐ Glycoprotein☐ Lipoprotein

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RC180609217: ZEEJA ZAFAR

Time Left: 00:00:00

PT402: Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question 4 of 10 (Start time: 11:58:47 AM, 29 June 2022)

Total Marks:

which antimicrobial product inhibits the growth of a wide range of Gram-positive bacteria, including Listeria, Clostridium, Bacillus, and enterococci?

Select the correct option



Probiotic



prebiotic



Sake



Nisin

Go to Previous Question | Go to Next Question



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RC180609217: ZEEJA ZAFAR

Time Left: 09:00

BT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question 4 2 of 10 (Start time: 11:48:27 AM, 29 June 2022)

Total Marks:

Five major kingdoms have been described and include are-----

Select the correct option



Prokaryota, protocista, Animalia, fungi



Prokaryota, protocista, Animalia, fungi, plantae



Prokaryota, protocista, Animalia, plantae



Prokaryota, Algae, Animalia, Fungi, Plantae

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RC180609217: ZEEJA ZAFAR

Time Left: 90 min(s)

PT402 Quiz no. 1

Quiz Start Time: 11:47 AM, 29 June 2022

Question # 1 of 10 (Start time: 11:47:29 AM, 29 June 2022)

Total Marks:

Estrogens and progesterone are example of

Select the correct option



Steroid



Vitamins



Carbohydrates



Protein

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CO_2 is a by-product produce during ----- in fermenter

Select the correct option

- ☐ aerobic respiration
- ☐ both of above
- ☐ none
- ☐ anaerobic respiration

Submit your answer



In 1920, who discovered penicillin and used in large scale manufacturing of penicillin in 1944.

Select the correct option

- ☐ Frederick Griffith
- ☐ Alexander Fleming
- ☐ Alexander crick
- ☐ Antony Van Leeuwenhoek

Submit | Previous | Next | Quit



The Golden Rice variety is rich in

Select the correct option

- ☐ Lysine
- ☐ Biotin
- ☐ Vitamin C
- ☐ B-carotene and ferritin

View question history

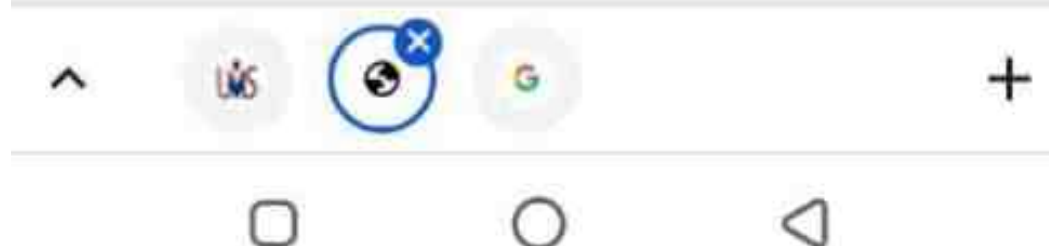


Issue in Strain improvement involves?

Select the correct option

- ☐ Use of recombinant technology
- ☐ Selection of natural Variants
- ☐ ALL
- ☐ Selection of induced mutants

Q402 Quiz | 100% / 100 correct answers

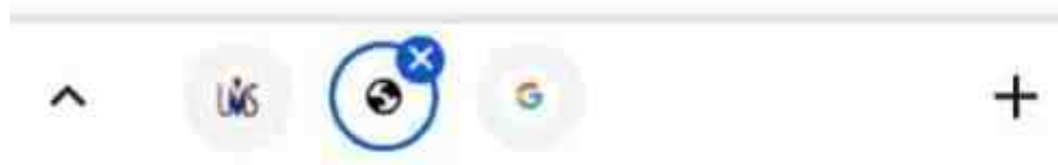


The only organisms capable of removing N_2 gas from the atmosphere and "fixing" it into a useable nitrogen form, ammonia and ammonium, (NH_3 , NH_4), are

Select the correct option

- ☐ virus
- ☐ plant
- ☐ Bacteria
- ☐ Fungi

Submit your answer





100% K/s

100% K/s

100% K/s

100% K/s

100% K/s

100% K/s

The yeast that is used most often in the baking of bread is --

100% K/s

- ☐ Schizosaccharomyces pombe
- ☐ Saccharomyces cerevisiae
- ☐ Candida albican
- ☐ none



Mixing is done for ————— of contents present in a bioreactor

Select the correct option

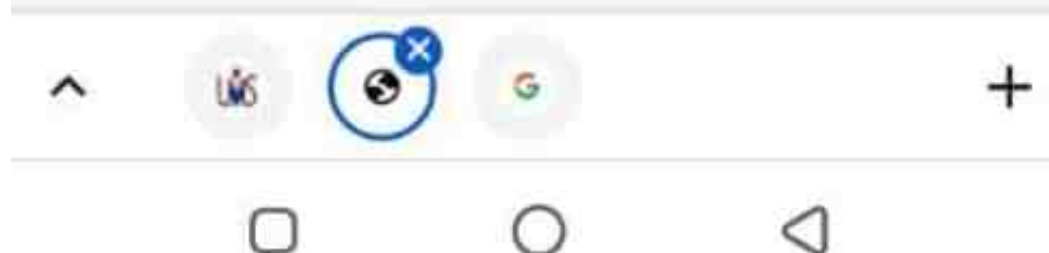
☐ To increase nutrients

☐ Homogenization

☐ To increase volume

☐ To remove air

Submit your answer

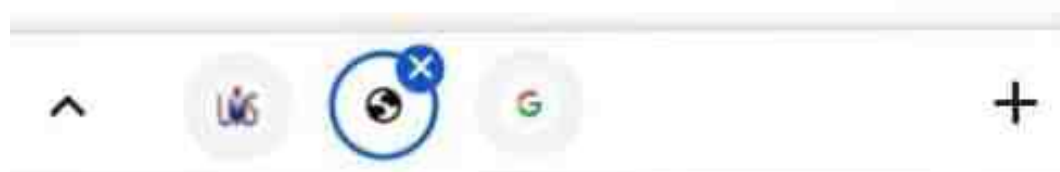


Bacteria have ----- ways of transferring bacteria between cells

Select the correct option:

- ☐ Transduction
- ☐ All of above
- ☐ Transformation
- ☐ Conjugation

Submit your answer



The process was originated in ----- when French chemist Louis Pasteur demonstrated that fermentation was caused by yeast.

Select the correct option :

☐ 1923

☐ 1944

☐ 1856

☐ 1876

Go to question 1 of 10



The scientist are now using archaea to study the origins of life on Earth and other planet called as -----

Select the correct option

- ☐ Astrobiologists
- ☐ none of above
- ☐ Herpetologist
- ☐ Seismologists

Submit Answer





BC180404965: RABIA

Time Left

89

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 9 of 10 (Start time: 07:15:52 PM, 28 June 2022)

Total Marks:

Neutrophiles having PH range of ?

Select the correct option



7.5-8.0



9.0-10



6.5-7.5



1.0-2.0

Click to Save Answer & Move to Next Question



BC180404965: RABIA

Time Left: 89 sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 7 of 10 (Start time: 07:13:39 PM, 28 June 2022)

Total Marks:

Blue-green algae (cyanobacteria) are prokaryotes (that is, their cells have no distinct ——).

Select the correct option



Nucleus



Chloroplast



Plastids



Mitochondria

Click to Save Answer & Move to Next Question



BC180404965: RABIA

Time Left: 89 sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 8 of 10 (Start time: 07:15:12 PM, 28 June 2022)

Total Marks:

Some bacteria have an extra circle of genetic material called a -----

Select the correct option



Ribosomes



RNA



DNA



Plasmid

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left

90

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 6 of 10 (Start time: 07:11:52 PM, 28 June 2022)

Total Marks:

Downstream processing is required to remove ----- and ----- from the desired product present in bioreactor.

Select the correct option



Impurities



All of above



bulk-volume reduction, concentration of the desired product



Impurities, bulk-volume reduction

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left: 89 sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 1 of 10 (Start time: 07:05:52 PM, 28 June 2022)

Total Marks:

Yeasts are the most widely used microbes in the food industry due to their ability to ferment sugars to ----- and -----.

Select the correct option



Ethanol and carbon



Ethanol only



Acetic acid and carbon dioxide



Ethanol and carbon-dioxide

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left

89

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 2 of 10 (Start time: 07:06:50 PM, 28 June 2022)

Total Marks:

The first, largest, and most inclusive group under which organisms are classified is called a -----

Select the correct option



Domain



Order



Division



Family

Click to Save Answer & Move to Next Question



BC180404965: RABIA

Time Left

89

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 5 of 10 (Start time: 07:10:20 PM, 28 June 2022)

Total Marks:

The study of synthesis of antibiotics and toxins, microbial energy production, microbial nitrogen fixation and effects of chemical and physical agents on microbial growth and survival etc called as -----

Select the correct option



Anatomy



Biochemistry



Microbial physiology and Biochemistry



Physiology

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left

89

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 3 of 10 (Start time: 07:07:43 PM, 28 June 2022)

Total Marks:

Some ----- are so-called biocontrol organisms, can inhibit the growth of harmful microorganisms,

Select the correct option



bacteria and fungi



Animals



Plants



Viruses

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left

89

sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 4 of 10 (Start time: 07:08:49 PM, 28 June 2022)

Total Marks:

Microbial mining is where acidophilic bacteria, such as are used to obtain copper from their ore. Acidic solution is showered over the copper ore, to increase bacterial growth residing in the soil surrounding the ore

Select the correct option

- ☐ None
- ☐ Acidithiobacillus thiooxidans
- ☐ Sulfobacillus
- ☐ Thiobacillus ferrooxidans

[Click to Save Answer & Move to Next Question](#)



BC180404965: RABIA

Time Left 90 sec(s)

BT402:Quiz no. 1

Quiz Start Time: 07:05 PM, 28 June 2022

Question # 10 of 10 (Start time: 07:16:45 PM, 28 June 2022)

Total Marks:

----- Is the modification of an organism's----- by manipulating its genetic material?

Select the correct option



Recombination, phenotype



Genetic engineering, phenotype



Genetic engineering, genotype



Genetic engineering, anatomy

[Click to Save Answer & Move to Next Question](#)