

VU Medical Zone

BT 503 QUIZ NO 2 SPRING 2021

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 1 of 10 (Start time: 04:02:36 AM, 26 August 2021)

Total Marks: 1

The ability of emergent..... to transfer oxygen to their submerged portions is a well appreciated phenomenon.

Select the correct option

☐	Ferrous chloride
☒	Macrophytes
☐	Aluminium sulphate
☐	Ferric chloride

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

Windows taskbar showing search bar, task icons, system tray with weather (30°C), smoke, and time (4:03 AM 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 2 of 10 (Start time: 04:03:24 AM, 26 August 2021)

Total Marks: 1

The retention time of the solids in the system is called?

Select the correct option

☐	precipitation
☐	Reactor
☐	Biomass
☒	sludge age

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

Windows taskbar showing search bar, task icons, system tray with weather (30°C), smoke, and time (4:04 AM 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 3 of 10 (Start time: 04:03:58 AM, 26 August 2021)

Total Marks: 1

.....involves heating of the sludge to 70 0C for 30 minutes.

Select the correct option

☒	Pasteurisation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Sterilization	
☐	Maturation ponds	
☐	Chlorination	

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (4:04 AM 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 4 of 10 (Start time: 04:04:19 AM, 26 August 2021)

Total Marks: 1

Non-combustibles waste include ?

Select the correct option

☐	Tin cans	
☐	Metals	
☐	Bottles	
☒	All of the above	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (4:04 AM 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 5 of 10 (Start time: 04:04:45 AM, 26 August 2021)

Total Marks: 1

Pteris vittata, accumulates -----percentage of arsenic.

Select the correct option

☐	3.4%
☐	4.5%
☒	2.3%
☐	1.2%

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

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 6 of 10 (Start time: 04:05:14 AM, 26 August 2021)

Total Marks: 1

Hyperaccumulators have ability to absorb large amounts of metals typically _____more as compared to most ordinary plants.

Select the correct option

☐	20-30 times
☐	100-150 times
☐	30-50 times
☒	50-100 times

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

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 7 of 10 (Start time: 04:05:43 AM, 26 August 2021)

Total Marks: 1

Certain strains of alpine pennycress (*Thlaspi caerulescens*) can bioaccumulate about _____ cadmium.

Select the correct option

☐

1.7%

☐

1.2%

☐

0.2%

☒

1.5%

Answer solved by Amaan Khan
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Windows taskbar showing search bar, task view, and various application icons. System tray shows 30°C, Smoke, and time 4:06 AM 8/26/2021.

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 8 of 10 (Start time: 04:06:07 AM, 26 August 2021)

Total Marks: 1

Which of the following bacteria are considered as denitrifying bacteria?

Select the correct option

☒

Pseudomonas spp

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

☐

Proteus spp

☐

Acinetobacter spp

☐

Enterococcus faecalis

Windows taskbar showing search bar, task view, and various application icons. System tray shows 30°C, Smoke, and time 4:06 AM 8/26/2021.

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 9 of 10 (Start time: 04:06:30 AM, 26 August 2021)

Total Marks: 1

The _____ is a type of wastewater treatment process for treating sewage or industrial wastewaters using aeration and a biological floc composed of bacteria and protozoa.

Select the correct option

☒	Activated Sludge System	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Slow-rate systems	
☐	Aquatic-based systems	
☐	Sand-based systems	

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (4:07 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 04:02 AM, 26 August 2021

Question # 10 of 10 (Start time: 04:07:29 AM, 26 August 2021)

Total Marks: 1

Which of the following is considered as carbon sink at commercial level?

Select the correct option

☐	Nitrifying bacteria	
☒	Algae	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Fungi	
☐	Denitrifying bacteria	

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EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 1 of 10 (Start time: 03:32:42 AM, 26 August 2021)

Total Marks: 1

Toxic by-products can be generated in which of the following system?

Select the correct option

☐	Maturation ponds
☐	UV radiation
☐	Ozonisation
☒	Chlorination

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

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 2 of 10 (Start time: 03:33:18 AM, 26 August 2021)

Total Marks: 1

The plant variety, Yellow Poplar, Liriodendron tulipifera Engineered by the introduction of phytovolatilization

Select the correct option

☐	Col3a gene
☐	mec A gene
☐	CTX gene
☒	mercuric reductase gene (mer A)

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

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 3 of 10 (Start time: 03:34:04 AM, 26 August 2021)

Total Marks: 1

There are how many key components of solid waste management?

Select the correct option

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

Windows taskbar showing search bar, taskbar icons, and system tray with date/time: 3:34 AM 8/26/2021.

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 4 of 10 (Start time: 03:34:28 AM, 26 August 2021)

Total Marks: 1

Bioventing is not generally suitable for remediating sites with a water table within ____ of the surface.

Select the correct option

☐	2.2m	
☒	1.0 m	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	2.0 m	
☐	0.1 m	

Windows taskbar showing search bar, taskbar icons, and system tray with date/time: 3:35 AM 8/26/2021.

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 5 of 10 (Start time: 03:35:33 AM, 26 August 2021)

Total Marks: 1

Which of the following bacteria are considered as denitrifying bacteria?

Select the correct option

☒	Pseudomonas spp	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Enterococcus faecalis	
☐	Proteous spp	
☐	Acinitobactor spp	

Windows taskbar showing search bar, task view, and system tray with date/time (3:36 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 6 of 10 (Start time: 03:36:09 AM, 26 August 2021)

Total Marks: 1

Free water in the sludge can be removed by which method?

Select the correct option

☒	Gravity	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Suction	
☐	Capillary action	
☐	None	

Windows taskbar showing search bar, task view, and system tray with date/time (3:36 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 7 of 10 (Start time: 03:36:36 AM, 26 August 2021)

Total Marks: 1

Density of sludge in processing stages is close to?

Select the correct option

☒	1000kg/m ³	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	500kg/m ³	
☐	10kg/m ³	
☐	100kg/m ³	

Windows taskbar showing search bar, task icons, and system tray with date/time: 3:37 AM 8/26/2021.

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 8 of 10 (Start time: 03:37:48 AM, 26 August 2021)

Total Marks: 1

In which of the following technique of bioremediation, contaminant is used as a food source by the microbes?

Select the correct option

☐	Immobilization	
☒	Mineralization	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None	
☐	Co- metabolism	

Windows taskbar showing search bar, task icons, and system tray with date/time: 3:38 AM 8/26/2021.

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 9 of 10 (Start time: 03:38:17 AM, 26 August 2021)

Total Marks: 1

Large areas are required for which pathogen removal system?

Select the correct option

☐	Natural
☒	Maturation ponds
☐	Chlorination
☐	Land treatment

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

BT503:Quiz No.2

Quiz Start Time: 03:32 AM, 26 August 2021

Question # 10 of 10 (Start time: 03:38:40 AM, 26 August 2021)

Total Marks: 1

-----technique is used to lock the pollutants within biomass of living organisms.

Select the correct option

☐	All of the above
☐	Phytoextraction
☐	Rhizofiltration
☒	Bioaccumulation

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

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 1 of 10 (Start time: 03:41:32 AM, 26 August 2021)

Total Marks: 1

For efficient bioremediation the suitable temperature should be -----.

Select the correct option

☐	95 °C	
☐	60-70 °C	
☐	-20 °C	
☒	20-30 °C	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:42 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 2 of 10 (Start time: 03:42:24 AM, 26 August 2021)

Total Marks: 1

Aedes genus is the causative agent of which disease?

Select the correct option

☒	Dengue	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	All of the above	
☐	Malaria	
☐	Yellow fever	

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:42 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 3 of 10 (Start time: 03:42:50 AM, 26 August 2021)

Total Marks: 1

All of these are artificial processes of pathogen removal except?

Select the correct option

☐	Ozonisation	
☐	UV radiation	
☒	Land treatment	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Chlorination	

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:43 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 4 of 10 (Start time: 03:43:21 AM, 26 August 2021)

Total Marks: 1

A very effective method for removal of disease causing organisms is?

Select the correct option

☐	Chlorination	
☐	UV radiation	
☐	Maturation ponds	
☒	Ozonisation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:44 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 5 of 10 (Start time: 03:43:59 AM, 26 August 2021)

Total Marks: 1

In rotating biological contactors, discs surface is covered with which type of layer?

Select the correct option

☐	Chemical
☐	Porous
☒	Biological
☐	Filterable

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



BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 6 of 10 (Start time: 03:45:19 AM, 26 August 2021)

Total Marks: 1

Which of the following is highly recommended system for pathogen removal?

Select the correct option

☐	UV radiation
☐	Ozonisation
☒	Maturation ponds
☐	Chlorination

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



EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 7 of 10 (Start time: 03:45:43 AM, 26 August 2021)

Total Marks: 1

In which of the following mechanisms nitrogen is release to atmosphere?

Select the correct option

☐	Aerobic nitrification
☐	Anaerobic denitrification
☒	Aerobic denitrification
☐	Anaerobic nitrification

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

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:47 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 8 of 10 (Start time: 03:47:11 AM, 26 August 2021)

Total Marks: 1

The method(s) is/are used in phytoextraction to permanently remove metals from the original site are _____.

Select the correct option

Reload Math Equations

☒	Both
☐	Incineration
☐	Composting
☐	None of the above

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

Click to Save Answer & Move to Next Question

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:47 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 9 of 10 (Start time: 03:47:53 AM, 26 August 2021)

Total Marks: 1

Which of the following technologies key factors are a Fast response and low treatment time are key factors which pertains to -----.

Select the correct option

☐	None of the above
☐	Extensive technologies
☐	Semi Extensive
☒	Intensive technologies

Answer solved by Amaan Khan
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BT503:Quiz No.2

Quiz Start Time: 03:41 AM, 26 August 2021

Question # 10 of 10 (Start time: 03:48:19 AM, 26 August 2021)

Total Marks: 1

Thickening in sludge management is removal of -----.

Select the correct option

☐	Pathogenic organisms
☒	Water
☐	Organic matter
☐	Non-organic matter

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

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 1 of 10 (Start time: 03:51:49 AM, 26 August 2021)

Total Marks: 1

.....is the main natural water removal mechanism/s in the sludge dewatering.

Select the correct option

☐	Digestion	
☐	Landfill	
☒	Percolation	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Incineration	

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:52 AM 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 2 of 10 (Start time: 03:52:46 AM, 26 August 2021)

Total Marks: 1

Fire hazard due to improper solid waste management arise due to _____?

Select the correct option

☐	Humidity	
☒	Hot environment	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Dry climate	
☐	Cold conditions	

Windows taskbar showing search bar, taskbar icons, system tray with weather (30°C), smoke, and time (3:53 AM 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 3 of 10 (Start time: 03:53:47 AM, 26 August 2021)

Total Marks: 1

In rotating biological contactors, secondary sedimentation tanks are responsible for?

Select the correct option

☒	Removal of suspended solids	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Removal of suspended liquids	
☐	Removal of suspended air	
☐	Removal of supernatant	

Windows taskbar showing search bar, taskbar icons, and system tray with date/time: 3:55 AM 8/26/2021.

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 4 of 10 (Start time: 03:54:59 AM, 26 August 2021)

Total Marks: 1

-----is normally uses high temperature to fuse the contaminated materials.

Select the correct option

☒	Vitrification	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Incineration	
☐	Effluent recycle pump	
☐	Aerators	

Windows taskbar showing search bar, taskbar icons, and system tray with date/time: 3:55 AM 8/26/2021.

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 5 of 10 (Start time: 03:55:23 AM, 26 August 2021)

Total Marks: 1

-----technique is used to immobilize the pollutants.

Select the correct option

☐	Bioaccumulation	
☒	All of the above	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Rhizofiltration	
☐	Phytoextraction	

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:56 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 6 of 10 (Start time: 03:56:33 AM, 26 August 2021)

Total Marks: 1

The technique which choose and permit plants to grow for a suitable length of time.

Select the correct option

[Reload Math Equations](#)

☒	Phytoextraction	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Rhizofiltration	
☐	All of the above	
☐	Bioaccumulation	

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

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:57 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 7 of 10 (Start time: 03:57:09 AM, 26 August 2021)

Total Marks: 1

-----plant species employ a number of mechanisms to remove aquatic pollutants?

Select the correct option

☐	All of the above
☐	Poplar trees
☒	Pteridophyte ferns
☐	Angiosperms

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

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:58 AM, 8/26/2021).

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 8 of 10 (Start time: 03:58:52 AM, 26 August 2021)

Total Marks: 1

Microbes capable of utilizing a variety of carbon sources and degrading a number of typical contaminants are commonly found in _____.

Select the correct option

☐	Water
☐	Sewage
☒	Soil
☐	Air

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

Windows taskbar showing search bar, taskbar icons, and system tray with date/time (3:59 AM, 8/26/2021).

EFFORT BY AMAAN KHAN

VU Medical Zone

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 9 of 10 (Start time: 03:59:16 AM, 26 August 2021)

Total Marks: 1

Which of the following technologies key factors are a Fast response and low treatment time are key factors which pertains to -----.

Select the correct option

☐	None of the above	
☒	Intensive technologies	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Extensive technologies	
☐	Semi Extensive	

Type here to search

30°C Smoke 3:59 AM 8/26/2021

BT503:Quiz No.2

Quiz Start Time: 03:51 AM, 26 August 2021

Question # 10 of 10 (Start time: 03:59:44 AM, 26 August 2021)

Total Marks: 1

Which of the following are beneficial to the nitrogen deficient soils?

Select the correct option

☐	Fungi	
☒	Both B & C	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Bacteria	
☐	Legumes	

Type here to search

30°C Smoke 4:00 AM 8/26/2021

EFFORT BY AMAAN KHAN