

VU Medical Zone

BIO 204 Quiz no 1 Fall 2020

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 1 of 10 (Start time: 11:08:05 PM, 14 December 2020)

Total Marks: 1

While constructing the fermenter, which of the following is not required?

Select the correct option

☒	High-speed Agitation and Aeration system	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Temperature control system	
☐	pH control system	
☐	Sample facilities	

Click to Save Answer & Move to Next Question

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 2 of 10 (Start time: 11:08:24 PM, 14 December 2020)

Total Marks: 1

In a fermenter ----- is involved for air supply.

Select the correct option

☐	Baffels	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☒	Sparger	
☐	Agitator	
☐	Microprocessor	

Click to Save Answer & Move to Next Question

EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 3 of 10 (Start time: 11:08:38 PM, 14 December 2020)

Total Marks: 1

While constructing the fermenter, which of the following is not required?

Select the correct option

☒	High-speed Agitation and Aeration system	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Temperature control system	
☐	pH control system	
☐	Sample facilities	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 4 of 10 (Start time: 11:08:54 PM, 14 December 2020)

Total Marks: 1

Which of the following material is preferable for the construction of small-scale fermenter?

Select the correct option

☐	Quartz	
☒	Glass	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron steel	
☐	Wood	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 5 of 10 (Start time: 11:09:08 PM, 14 December 2020)

Total Marks: 1

Which carbon source has great application for SCP production?

Select the correct option

☐	Cellulose	/
☐	Starch	/
☒	Methanol	/
☐	Methane	/

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 6 of 10 (Start time: 11:09:19 PM, 14 December 2020)

Total Marks: 1

The heat exchangers are used to _____

Select the correct option

☐	Maintain high temperature	/
☒	Maintain low temperature	/
☐	Maintain low pressure	/
☐	Maintain low pressure	/

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

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 7 of 10 (Start time: 11:09:34 PM, 14 December 2020)

Total Marks: 1

Which of the following is not the type of modern agitator?

Select the correct option

☒	SCABA	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	Prochem Maxflo		
☐	Lightning A315		
☐	New Brunswick Scientific		

 Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 8 of 10 (Start time: 11:11:28 PM, 14 December 2020)

Total Marks: 1

The AISI grade 316 contains _____ amount of chromium.

Select the correct option

☐	15 %		
☒	18 %	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	20 %		
☐	18.5 %		

 Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 11:08 PM, 14 December 2020

Question # 9 of 10 (Start time: 11:11:45 PM, 14 December 2020)

Total Marks: 1

The purpose of aeration is to provide _____

Select the correct option

☒	The medium to organisms	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	The carbon dioxide to organisms	
☐	The oxygen to organisms	
☐	The water to organisms	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 1 of 10 (Start time: 10:12:07 PM, 14 December 2020)

Total Marks: 1

Collins hazard group criteria did not include _____

Select the correct option

☐	The ease of prophylaxis and treatment	
☐	The routes of infection	
☐	The pathogenicity of a microorganism	
☒	The reproductive cycle of a microorganism	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

Question # 2 of 10 (Start time: 10:13:21 PM, 14 December 2020)

Total Marks: 1

Which of the following is a fabricated material used for the construction of a fermentation vessel?

Select the correct option

☐	Wood	
☒	Ceramics	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Stone	
☐	Gourds	

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

Question # 3 of 10 (Start time: 10:15:18 PM, 14 December 2020)

Total Marks: 1

Which of the following is related to industrial-scale fermenter?

Select the correct option

☐	Ex-situ sterilization but seed fermenter is not required for inoculums development.	
☒	In-situ sterilization and seed fermenter is required for inoculums development.	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	In-situ sterilization but seed fermenter is not required for inoculums development.	
☐	Ex-situ sterilization and seed fermenter is required for inoculums development	

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

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 4 of 10 (Start time: 10:16:28 PM, 14 December 2020)

Total Marks: 1

Which scientist(s) gave a full kinetic description of external and internal feedback system?

Select the correct option

☐	Monod	
☐	Pirt	
☒	Bull	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Harte and Webb	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 5 of 10 (Start time: 10:18:01 PM, 14 December 2020)

Total Marks: 1

While constructing the fermenter, which of the following is not required?

Select the correct option

☒	High-speed Agitation and Aeration system	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Temperature control system	
☐	pH control system	
☐	Sample facilities	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 6 of 10 (Start time: 10:19:25 PM, 14 December 2020)

Total Marks: 1

Which of the following material is preferable for the construction of small-scale fermenter?

Select the correct option

☐	Quartz	
☒	Glass	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron steel	
☐	Wood	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 7 of 10 (Start time: 10:20:30 PM, 14 December 2020)

Total Marks: 1

Which of the metal is used to make stainless steel?

Select the correct option

☒	Cr	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Pb	
☐	Mn	
☐	Fe	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204: Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 8 of 10 (Start time: 10:21:31 PM, 14 December 2020)

Total Marks: 1

Fermenters with single multi-blade impellers for Steel and Maxon (1961) model have operating volume _____.

Select the correct option

☐	25L	
☐	125L	
☐	200L	
☒	250L	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO204: Quiz no. 1

Quiz Start Time: 10:12 PM, 14 December 2020

Question # 9 of 10 (Start time: 10:22:21 PM, 14 December 2020)

Total Marks: 1

The purpose of aeration is to provide _____.

Select the correct option

☒	The medium to organisms	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	The carbon dioxide to organisms	
☐	The oxygen to organisms	
☐	The water to organisms	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 1 of 10 (Start time: 10:57:55 PM, 14 December 2020)

Total Marks: 1

Which of the following material is preferable for the construction of small-scale fermenter?

Select the correct option

☐	Quartz	
☒	Glass	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron steel	
☐	Wood	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 2 of 10 (Start time: 10:58:13 PM, 14 December 2020)

Total Marks: 1

Which of the following element does not enhances the property of stainless steel?

Select the correct option

☐	Nickel	
☐	Molybdenum	
☐	Silicone	
☒	Manganese	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 3 of 10 (Start time: 10:59:59 PM, 14 December 2020)

Total Marks: 1

What led to the development of Walhof-type fermenter?

Select the correct option

☒	Yeast growth	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Bacterial growth	
☐	Viral growth	
☐	Fungi growth	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 4 of 10 (Start time: 11:00:11 PM, 14 December 2020)

Total Marks: 1

Which carbon source has great application for SCP production?

Select the correct option

☐	Cellulose	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Starch	
☒	Methanol	
☐	Methane	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 5 of 10 (Start time: 11:00:25 PM, 14 December 2020)

Total Marks: 1

The largest diameter for glass fermenter is _____

Select the correct option

☐	50 cm	
☐	70 cm	
☒	60 cm	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	80 cm	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 6 of 10 (Start time: 11:00:56 PM, 14 December 2020)

Total Marks: 1

Which scientist(s) gave a full kinetic description of external and internal feedback system?

Select the correct option

☐	Monod	
☐	Pirt	
☒	Bull	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Harte and Webb	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 7 of 10 (Start time: 11:01:10 PM, 14 December 2020)

Total Marks: 1

What is the term used for a cross in which two contrasting traits are studied at a time?

Select the correct option

☒	diybrid cross	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	monohybrid cross	
☐	genotype	
☐	phenotype	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 8 of 10 (Start time: 11:01:29 PM, 14 December 2020)

Total Marks: 1

Which of the following is a fabricated material used for the construction of a fermentation vessel?

Select the correct option

☐	Wood	
☒	Ceramics	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Stone	
☐	Gourds	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:57 PM, 14 December 2020

Question # 9 of 10 (Start time: 11:01:43 PM, 14 December 2020)

Total Marks: 1

Which of the metal is used to make stainless steel?

Select the correct option

☒	Cr	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Pb	
☐	Mn	
☐	Fe	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 1 of 10 (Start time: 10:39:43 PM, 14 December 2020)

Total Marks: 1

Which carbon source has great application for SCP production?

Select the correct option

☐	Cellulose	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Starch	
☒	Methanol	
☐	Methane	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 2 of 10 (Start time: 10:41:12 PM, 14 December 2020)

Total Marks: 1

The heat exchangers are used to _____

Select the correct option

☐	Maintain high temperature	
☒	Maintain low temperature	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Maintain low pressure	
☐	Maintain low pressure	



Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 3 of 10 (Start time: 10:42:37 PM, 14 December 2020)

Total Marks: 1

What led to the development of Walhof-type fermenter?

Select the correct option

☒	Yeast growth	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Bacterial growth	
☐	Viral growth	
☐	Fungi growth	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 4 of 10 (Start time: 10:42:50 PM, 14 December 2020)

Total Marks: 1

Which of the following is not the use of baffles?

Select the correct option

☐	Increase the effect of agitation	
☐	Improve aeration efficiency	
☐	Improve cooling capacity	
☒	Improve the fermenter capacity	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 5 of 10 (Start time: 10:44:32 PM, 14 December 2020)

Total Marks: 1

Which of the metal is used to make stainless steel?

Select the correct option

☒	Cr.	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Pb	
☐	Mn	
☐	Fe	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 6 of 10 (Start time: 10:44:45 PM, 14 December 2020)

Total Marks: 1

Fermenters with single multi-blade impellers for Steel and Maxon (1961) model have Liquid height (L) _____.

Select the correct option

☐	15cm	
☐	35cm	
☐	27cm	
☒	55cm	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 7 of 10 (Start time: 10:45:35 PM, 14 December 2020)

Total Marks: 1

Sterile compressed air for a fermenter should be of _____ atmospheres

Select the correct option

☐	2.5 to 3.0	
☒	1.5 to 3.0	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	3.0 to 3.5	
☐	1.0 to 2.5	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204: Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 8 of 10 (Start time: 10:46:10 PM, 14 December 2020)

Total Marks: 1

The Aeration is mainly provided to organisms present in _____

Select the correct option

☐	Submerged culture	
☐	Solid State culture	
☐	Surface culture	
☒	Batch culture	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BIO204: Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 9 of 10 (Start time: 10:47:25 PM, 14 December 2020)

Total Marks: 1

In a fermenter ----- is involved for air supply.

Select the correct option

☐	Baffels	
☒	Sparger	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Agitator	
☐	Microprocessor	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 1 of 10 (Start time: 12:00:54 AM, 15 December 2020)

Total Marks: 1

Fermenters with single multi-blade impellers for Steel and Maxon (1961) model have operating volume_____

Select the correct option

☐	25L	
☐	125L	
☐	200L	
☒	250L	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BC170406657: GHULAM MURTAZA

Time Left 52 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 2 of 10 (Start time: 12:01:15 AM, 15 December 2020)

Total Marks: 1

_____ involves protection against contamination and _____ involves prevention of escape of viable cells from a fermenter or downstream equipments

Select the correct option

☒	aseptic operation,containment	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	containment, aseptic operation	
☐	pathogenic, aseptic operation	
☐	containment, pathogenicity	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BC170406657: GHULAM MURTAZA

Time Left 22 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 3 of 10 (Start time: 12:02:16 AM, 15 December 2020)

Total Marks:

Which of the following is an example of commonly used fermenter?

Select the correct option

☐	Packed bed	
☐	Acetators and Cavitators	
☐	Cyclone Column	
☒	Koji fermenter	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



BC170406657: GHULAM MURTAZA

Time Left 81 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 4 of 10 (Start time: 12:04:10 AM, 15 December 2020)

Total Marks: 1

Which of the following element does not enhances the property of stainless steel?

Select the correct option

☐	Nickel	
☐	Molybdenum	
☐	Silicone	
☒	Manganese	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BC170406657: GHULAM MURTAZA

Time Left 79 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 5 of 10 (Start time: 12:04:27 AM, 15 December 2020)

Total Marks: 1

What is the basic function of the fermenter?

Select the correct option

☐	To sterilize the medium	
☐	To recover the product	
☒	To provide optimum growth conditions to organisms and obtain the desired product	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	To purify the product	

Click to Save Answer & Move to Next Question



BC170406657: GHULAM MURTAZA

Time Left 84 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 6 of 10 (Start time: 12:04:47 AM, 15 December 2020)

Total Marks: 1

Which of the following is a fabricated material used for the construction of a fermentation vessel?

Select the correct option

☐	Wood	
☒	Ceramics	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Stone	
☐	Gourds	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BC170406657: GHULAM MURTAZA

Time Left 84 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 7 of 10 (Start time: 12:05:04 AM, 15 December 2020)

Total Marks: 1

Which of the following material is preferable for the construction of small-scale fermenter?

Select the correct option

☐	Quartz	
☒	Glass	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron steel	
☐	Wood	

Click to Save Answer & Move to Next Question



BC170406657: GHULAM MURTAZA

Time Left 85 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 8 of 10 (Start time: 12:05:19 AM, 15 December 2020)

Total Marks: 1

The purpose of aeration is to provide _____

Select the correct option

☒	The medium to organisms	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	The carbon dioxide to organisms	
☐	The oxygen to organisms	
☐	The water to organisms	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BC170406857: GHULAM MURTAZA

Time Left 82 sec(s)

BIO204:Quiz no. 1

Quiz Start Time: 12:00 AM, 15 December 2020

Question # 9 of 10 (Start time: 12:05:34 AM, 15 December 2020)

Total Marks: 1

Which of the following is related to industrial-scale fermenter?

Select the correct option

☐	Ex-situ sterilization but seed fermenter is not required for inoculum development.	
☒	In-situ sterilization and seed fermenter is required for inoculum development.	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	In-situ sterilization but seed fermenter is not required for inoculum development.	
☐	Ex-situ sterilization and seed fermenter is required for inoculum development.	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 1 of 10 (Start time: 12:09:43 AM, 15 December 2020)

Total Marks: 1

Which of the metal is used to make stainless steel?

Select the correct option

☒	Cr.	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Pb	
☐	Mn	
☐	Fe	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 2 of 10 (Start time: 12:10:05 AM, 15 December 2020)

Total Marks: 1

_____ involves protection against contamination and _____ involves prevention of escape of viable cells from a fermenter or downstream equipments

Select the correct option

☒	aseptic operation,containment	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	containment, aseptic operation		
☐	pathogenic, aseptic operation		
☐	containment, pathogenicity		

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 3 of 10 (Start time: 12:10:23 AM, 15 December 2020)

Total Marks: 1

While constructing the fermenter, which of the following is not required?

Select the correct option

☒	High-speed Agitation and Aeration system	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com	
☐	Temperature control system		
☐	pH control system		
☐	Sample facilities		

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 4 of 10 (Start time: 12:10:39 AM, 15 December 2020)

Total Marks: 1

Which of the following material is preferable for the construction of small-scale fermenter?

Select the correct option

☐	Quartz	
☒	Glass	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Iron steel	
☐	Wood	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 5 of 10 (Start time: 12:10:55 AM, 15 December 2020)

Total Marks: 1

Which scientist(s) gave a full kinetic description of external and internal feedback system?

Select the correct option

☐	Monod	
☐	Pirt	
☒	Bull	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Harte and Webb	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204: Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 6 of 10 (Start time: 12:11:10 AM, 15 December 2020)

Total Marks: 1

While constructing the fermenter, which of the following is not required?

Select the correct option

☒	High-speed Agitation and Aeration system	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Temperature control system	
☐	pH control system	
☐	Sample facilities	

Click to Save Answer & Move to Next Question



BIO204: Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 7 of 10 (Start time: 12:11:25 AM, 15 December 2020)

Total Marks: 1

Which of the following is a fabricated material used for the construction of a fermentation vessel?

Select the correct option

☐	Wood	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Ceramics	
☐	Stone	
☐	Gourds	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 8 of 10 (Start time: 12:11:40 AM, 15 December 2020)

Total Marks: 1

Which of the following is not the property of Chromium film?

Select the correct option

☐	Non-porous	
☒	Soluble	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Self-healing	
☐	Continuous	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 9 of 10 (Start time: 12:12:23 AM, 15 December 2020)

Total Marks: 1

The diameter of Waldhof-type fermenter was _____.

Select the correct option

☐	8.0 m	
☐	7.8 m	
☒	7.9 m	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	8.1 m	

Click to Save Answer & Move to Next Question



EFFORT BY AMAAN KHAN

VU Medical Zone

BIO204:Quiz no. 1

Quiz Start Time: 12:09 AM, 15 December 2020

Question # 10 of 10 (Start time: 12:13:30 AM, 15 December 2020)

Total Marks: 1

The AISI grade 316 contains _____ amount of chromium.

Select the correct option

☐	15 %	
☒	18 %	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	20 %	
☐	18.5 %	

Click to Save Answer & Move to Next Question



BIO204:Quiz no. 1

Quiz Start Time: 10:39 PM, 14 December 2020

Question # 10 of 10 (Start time: 10:48:10 PM, 14 December 2020)

Total Marks: 1

Micro-organisms can be damaged due to _____ in a fermenter.

Select the correct option

☐	Power consumption	
☐	Agitation	
☒	pH	Answer solved by Amaan Khan Contact: 0305-4716616 Email:maniamaan2@gmail.com
☐	Evaporation	

Click to Save Answer & Move to Next Question



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