

# VU Medical Zone

## BIO 302 GRAND QUIZ FALL 2020

BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 1 of 30 ( Start time: 05:34:10 AM, 31 December 2020 )

Total Marks: 1

An E. coli chromosome is estimated to have about \_\_\_\_\_ super-coiled loops.

Select the correct option

- |                                  |     |  |   |
|----------------------------------|-----|--|---|
| <input type="radio"/>            | 120 |  | / |
| <input type="radio"/>            | 643 |  | / |
| <input checked="" type="radio"/> | 400 | <b>Answer Solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | / |
| <input type="radio"/>            | 250 |  | / |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 2 of 30 ( Start time: 05:34:58 AM, 31 December 2020 )

Total Marks: 1

The first step is the initial binding of polymerase to a promoter to form what is called a \_\_\_\_\_

Select the correct option

- |                                  |                          |  |   |
|----------------------------------|--------------------------|--|---|
| <input checked="" type="radio"/> | Closed complex           | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | / |
| <input type="radio"/>            | Transcription start site |  | / |
| <input type="radio"/>            | Transcription bubble     |  | / |
| <input type="radio"/>            | Replication fork         |  | / |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 3 of 30 ( Start time: 05:35:45 AM, 31 December 2020 )

Total Marks: 1

tRNA accounts for some ..... of all cellular RNA

Select the correct option

<input type="radio"/>	40%		
<input type="radio"/>	30%		
<input type="radio"/>	20%		
<input checked="" type="radio"/>	10%	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 4 of 30 ( Start time: 05:36:27 AM, 31 December 2020 )

Total Marks: 1

Polycyclic aromatic hydrocarbons (PAHs) formed by the incomplete combustion of the burning wood or \_\_\_\_\_

Select the correct option

<input type="radio"/>	Carbon		
<input type="radio"/>	Glass		
<input type="radio"/>	Aluminium		
<input checked="" type="radio"/>	Coal	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# WU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 5 of 30 ( Start time: 05:37:10 AM, 31 December 2020 )

Total Marks: 1

The \_\_\_\_ model predicts that the linker DNA forms a straight path between successive nucleosomes.

Select the correct option

<input type="radio"/>	Solinium	
<input checked="" type="radio"/>	Zigzag	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>
<input type="radio"/>	Solenoid	
<input type="radio"/>	Doom Bell	

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 6 of 30 ( Start time: 05:37:45 AM, 31 December 2020 )

Total Marks: 1

tRNA having amino acid joins with \_\_\_\_ during protein synthesis.

Select the correct option

<input checked="" type="radio"/>	mRNA	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>
<input type="radio"/>	rRNA	
<input type="radio"/>	miRNA	
<input type="radio"/>	ribosomes	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 7 of 30 ( Start time: 05:39:03 AM, 31 December 2020 )

Total Marks: 1

Hershey and Chase used \_\_\_\_ isotopes for their experiments.

Select the correct option

- N
- P  
Answer Solved by Amaan Khan  
Contact: 0305-4716616  
Email: maniamaan2@gmail.com
- B
- Cd

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 8 of 30 ( Start time: 05:39:57 AM, 31 December 2020 )

Total Marks: 1

In a molecule of double-stranded DNA, the amount of Adenine present is always equal to the amount of

Select the correct option

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

Click to Save Answer & Move to Next Question



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# VU Medical Zone

BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 9 of 30 ( Start time: 05:40:18 AM, 31 December 2020 )

Total Marks: 1

Cell free fermentation was discovered in \_\_\_\_\_.

Select the correct option

- |                                  |      |  |   |
|----------------------------------|------|--|---|
| <input type="radio"/>            | 1938 |  | / |
| <input type="radio"/>            | 1865 |  | / |
| <input checked="" type="radio"/> | 1897 | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | / |
| <input type="radio"/>            | 1997 |  | / |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 10 of 30 ( Start time: 05:40:58 AM, 31 December 2020 )

Total Marks: 1

The wave length range of UV-B light is \_\_\_\_\_ nm.

Select the correct option

- |                                  |         |  |   |
|----------------------------------|---------|--|---|
| <input checked="" type="radio"/> | 296-320 | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | / |
| <input type="radio"/>            | 100-295 |  | / |
| <input type="radio"/>            | 321-400 |  | / |
| <input type="radio"/>            | 350-410 |  | / |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 11 of 30 ( Start time: 05:41:29 AM, 31 December 2020 )

Total Marks: 1

Direct dealkylation reactions have probably been most extensively studied in \_\_\_\_\_

Select the correct option

<input checked="" type="radio"/>	E. coli	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//
<input type="radio"/>	Frog		//
<input type="radio"/>	Bat		//
<input type="radio"/>	Human		//

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 05:34 AM, 31 December 2020

Question # 12 of 30 ( Start time: 05:42:04 AM, 31 December 2020 )

Total Marks: 1

The bacterium used in Hershey and Chase experiments were \_\_\_\_\_

Select the correct option

<input type="radio"/>	Staphylococcus aureus	//	
<input checked="" type="radio"/>	E. coli	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//
<input type="radio"/>	Tuberculosis mycobacterium	//	
<input type="radio"/>	Streptococcus pneumonia	//	

Click to Save Answer & Move to Next Question



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# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 13 of 30 ( Start time: 05:43:02 AM, 31 December 2020 )

Total Marks: 1

The nucleosome of eukaryotic genome contains about \_\_\_\_ protein molecules with DNA.

Select the correct option

- 16
- 9  
**Answer solved by Amaan Khan**  
**Contact: 0305-4716616**  
**Email: maniamaan2@gmail.com**
- 7
- 12

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



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 14 of 30 ( Start time: 05:44:33 AM, 31 December 2020 )

Total Marks: 1

The wavelength of ultra violet light that damages DNA is \_\_\_\_ nm.

Select the correct option

- 100-400  
**Answer solved by Amaan Khan**  
**Contact: 0305-4716616**  
**Email: maniamaan2@gmail.com**
- 500-600
- 550-600
- 430-540

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



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

TIME LEFT sec(s)

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 15 of 30 ( Start time: 05:45:29 AM, 31 December 2020 )

Total Marks: 1

Which three additional enzyme are required when the nick is present on 3' end of the mismatch.

Select the correct option

<input checked="" type="radio"/>	MutS-alpha, Exol and RPA	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	RPA, Exol and RCF		/
<input type="radio"/>	MutL-alpha, PCNA and RCF		/
<input type="radio"/>	MutL-alpha, PCNA and RPA		/

▶ Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 16 of 30 ( Start time: 05:47:32 AM, 31 December 2020 )

Total Marks: 1

Presence of 5 origins of replication will divide each chromosome into \_\_\_\_\_ replicons

Select the correct option

<input checked="" type="radio"/>	5	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	2		/
<input type="radio"/>	0		/
<input type="radio"/>	6		/

▶ Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 17 of 30 ( Start time: 05:49:12 AM, 31 December 2020 )

Total Marks: 1

RNA Polymerases function only in the presence of \_\_\_\_\_

Select the correct option

- |                                  |                   |  |     |
|----------------------------------|-------------------|--|-----|
| <input checked="" type="radio"/> | DNA               | <b>Answer Solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | /// |
| <input type="radio"/>            | either DNA or RNA |  | /// |
| <input type="radio"/>            | RNA               |  | /// |
| <input type="radio"/>            | None              |  | /// |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 18 of 30 ( Start time: 05:49:54 AM, 31 December 2020 )

Total Marks: 1

\_\_\_\_\_ number of distinct DNA glycosylase/lyase enzymes have been identified in human cells.

Select the correct option

- |                                  |   |  |     |
|----------------------------------|---|--|-----|
| <input type="radio"/>            | 3 | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com | /// |
| <input type="radio"/>            | 5 |  | /// |
| <input type="radio"/>            | 7 |  | /// |
| <input checked="" type="radio"/> | 6 |  | /// |

Click to Save Answer & Move to Next Question



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# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 19 of 30 ( Start time: 05:51:11 AM, 31 December 2020 )

Total Marks: 1

Which shows the correct complimentary base pairing of DNA?

Select the correct option

- |                                  |          |  |
|----------------------------------|----------|--|
| <input type="radio"/>            | C-A, T-G |  |
| <input type="radio"/>            | A-G, C-T |  |
| <input type="radio"/>            | C-G, U-A |  |
| <input checked="" type="radio"/> | T-A, G-C | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 20 of 30 ( Start time: 05:51:39 AM, 31 December 2020 )

Total Marks: 1

long patch repair pathway replace the \_\_\_\_\_ nucleotides

Select the correct option

- |                                  |      |  |
|----------------------------------|------|--|
| <input checked="" type="radio"/> | 2-8  | <b>Answer solved by Amaan Khan</b><br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com |
| <input type="radio"/>            | 3-18 |  |
| <input type="radio"/>            | 2-14 |  |
| <input type="radio"/>            | 4-20 |  |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 21 of 30 ( Start time: 05:52:17 AM, 31 December 2020 )

Total Marks: 1

Ribose and deoxyribose sugar in nucleic acids differ in \_\_\_\_\_ at \_\_\_\_.

Select the correct option

<input checked="" type="radio"/>	N, C3	<b>Answer Solved by Amaan Khan</b> Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	O, C2		/
<input type="radio"/>	H, C3		/
<input type="radio"/>	O, C3		/

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



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 22 of 30 ( Start time: 05:53:52 AM, 31 December 2020 )

Total Marks: 1

E. coli's chromosome consists of approx. \_\_\_\_\_ nucleotide pairs.

Select the correct option

<input checked="" type="radio"/>	4 Million	<b>Answer solved by Amaan Khan</b> Contact: 0305-4716616 Email: maniamaan2@gmail.com	/
<input type="radio"/>	6 Million		/
<input type="radio"/>	5 Billion		/
<input type="radio"/>	9 Billion		/

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



# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 23 of 30 ( Start time: 05:54:33 AM, 31 December 2020 )

Total Marks: 1

All organisms that have a mismatch repair system have MutS and \_\_\_\_\_ homologs

Select the correct option

- |                                  |      |  |   |
|----------------------------------|------|--|---|
| <input checked="" type="radio"/> | MutL | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input type="radio"/>            | MutM |  | / |
| <input type="radio"/>            | MutN |  | / |
| <input type="radio"/>            | MutS |  | / |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 24 of 30 ( Start time: 05:55:15 AM, 31 December 2020 )

Total Marks: 1

Formation of cyclobutane pyrimidine dimer (CPD) which accounts for about \_\_\_ % of all the UV - induced damage.

Select the correct option

- |                                  |    |  |   |
|----------------------------------|----|--|---|
| <input type="radio"/>            | 35 |  | / |
| <input type="radio"/>            | 57 |  | / |
| <input checked="" type="radio"/> | 75 | <b>Answer Solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input type="radio"/>            | 42 |  | / |

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**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 25 of 30 ( Start time: 05:56:42 AM, 31 December 2020 )

Total Marks: 1

DNA replication is semi-conservative was proved in \_\_\_\_\_.

Select the correct option

- |                                  |      |  |   |
|----------------------------------|------|--|---|
| <input checked="" type="radio"/> | 1958 | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input type="radio"/>            | 1955 |  | / |
| <input type="radio"/>            | 1943 |  | / |
| <input type="radio"/>            | 1947 |  | / |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 26 of 30 ( Start time: 05:57:11 AM, 31 December 2020 )

Total Marks: 1

Nucleoside is \_\_\_\_\_.

Select the correct option

- |                                  |                                   |  |   |
|----------------------------------|-----------------------------------|--|---|
| <input checked="" type="radio"/> | Nucleotide - Phosphoric acid      | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input type="radio"/>            | Nucleotide + Phosphoric acid      |  | / |
| <input type="radio"/>            | Nucleotide - Phosphoric acid+ N B |  | / |
| <input type="radio"/>            | Nucleotide - Phosphoric acid+ N B |  | / |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# WU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 27 of 30 ( Start time: 05:57:37 AM, 31 December 2020 )

Total Marks: 1

The bond angles in protein primary structure resulting from rotations at C are labelled ( $\phi$ ) for the \_\_\_\_.

Select the correct option

<input type="radio"/>	alpha C-O		//
<input checked="" type="radio"/>	N - alpha C	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//
<input type="radio"/>	alphaC - C		//
<input type="radio"/>	Alpha N - C		//

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 28 of 30 ( Start time: 05:58:35 AM, 31 December 2020 )

Total Marks: 1

Cisplatin is a very effective chemotherapeutic agent for treating cancers of the \_\_\_\_\_.

Select the correct option

<input type="radio"/>	Bladder		//
<input type="radio"/>	Testicles		//
<input type="radio"/>	Ovaries		//
<input checked="" type="radio"/>	All given	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//

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**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 29 of 30 ( Start time: 05:59:17 AM, 31 December 2020 )

Total Marks: 1

The first enzyme diastase was discovered by \_\_\_\_\_.

Select the correct option

- Friedrich
  - Morgan
  - Miescher
  - Payen
- Answer solved by Amaan Khan**  
**Contact: 0305-4716616**  
**Email: maniamaan2@gmail.com**

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 05:34 AM, 31 December 2020

Question # 30 of 30 ( Start time: 05:59:44 AM, 31 December 2020 )

Total Marks: 1

Key substrates required for the synthesis of DNA to proceed are \_\_\_\_\_ and \_\_\_\_\_.

Select the correct option

- NADPH - Primer
  - E.coli - Bacteriophage
  - Deoxynucleoside triphosphates - Primer
  - Primer - template
- 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

BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 06:05 AM, 31 December 2020

Question # 1 of 30 ( Start time: 06:05:05 AM, 31 December 2020 )

Total Marks: 1

DNA polymerases introduce about one mispaired nucleotide per \_\_\_\_\_ nucleotides

Select the correct option

<input checked="" type="radio"/>	105	<b>Answer Solved by Amaan Khan</b> Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	107		//
<input type="radio"/>	103		//
<input type="radio"/>	101		//

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 06:05 AM, 31 December 2020

Question # 2 of 30 ( Start time: 06:05:52 AM, 31 December 2020 )

Total Marks: 1

Performed the x-ray diffraction analysis of DNA fibers.

Select the correct option

<input checked="" type="radio"/>	Rosalind and Wilkins	<b>Answer solved by Amaan Khan</b> Contact: 0305-4716616 Email: maniamaan2@gmail.com	//
<input type="radio"/>	Crick and Avery		//
<input type="radio"/>	Sumner and Buchner		//
<input type="radio"/>	Meselson & Franklin		//

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 3 of 30 ( Start time: 06:06:22 AM, 31 December 2020 )

Total Marks: 1

Exol enzyme degrades DNA in a \_\_\_\_\_ direction

Select the correct option

- OH
- 5'-----3'
- 3'-----5'
- PO4-2

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

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 4 of 30 ( Start time: 06:07:22 AM, 31 December 2020 )

Total Marks: 1

\_\_\_\_\_ carries the information from DNA to the ribosomal sites of protein synthesis

Select the correct option

- rRNA
- tRNA
- mRNA
- siRNA

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

Click to Save Answer & Move to Next Question



# VU Medical Zone

BIO302:Grand Quiz

sec(s)  
Quiz Start Time: 06:05 AM, 31 December 2020

Question # 5 of 30 ( Start time: 06:07:36 AM, 31 December 2020 )

Total Marks: 1

Symmetry in quaternary structure of protein with two fold rotational axis is called \_\_\_\_\_

Select the correct option

<input checked="" type="radio"/>	Dihedral	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Bilateral		/
<input type="radio"/>	Cyclic		/
<input type="radio"/>	All given		/

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



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 6 of 30 ( Start time: 06:09:07 AM, 31 December 2020 )

Total Marks: 1

Ribose and deoxyribose sugar in nucleic acids differ in \_\_\_\_\_ at \_\_\_\_.

Select the correct option

<input checked="" type="radio"/>	N, C3	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	O, C2		/
<input type="radio"/>	H, C3		/
<input type="radio"/>	O, C3		/

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



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 7 of 30 ( Start time: 06:09:23 AM, 31 December 2020 )

Total Marks: 1

All organisms that have a mismatch repair system have MutS and \_\_\_\_\_ homologs

Select the correct option

<input checked="" type="radio"/>	MutL	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	MutM		/
<input type="radio"/>	MutN		/
<input type="radio"/>	MutS		/

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 8 of 30 ( Start time: 06:09:38 AM, 31 December 2020 )

Total Marks: 1

RNA create cavities on their outer surfaces specific for the different \_\_\_\_\_

Select the correct option

<input checked="" type="radio"/>	Amino acids	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Nucleotides		/
<input type="radio"/>	ATP		/
<input type="radio"/>	Proteins		/

Click to Save Answer & Move to Next Question



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# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 9 of 30 ( Start time: 06:10:25 AM, 31 December 2020 )

Total Marks: 1

\_\_\_\_\_ make RNA using appropriate segments of chromosomal DNA as their templates

Select the correct option

- |                                  |                 |  |
|----------------------------------|-----------------|--|
| <input type="radio"/>            | DNA polymerases |  |
| <input type="radio"/>            | Endonucleases   |  |
| <input checked="" type="radio"/> | RNA polymerases | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | All given       |  |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 10 of 30 ( Start time: 06:11:12 AM, 31 December 2020 )

Total Marks: 1

The first discovered enzyme is known as \_\_\_\_\_

Select the correct option

- |                                  |           |  |
|----------------------------------|-----------|--|
| <input type="radio"/>            | Lypase    |  |
| <input type="radio"/>            | Amylase   |  |
| <input checked="" type="radio"/> | Diastase  | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | Isomerase |  |

Click to Save Answer & Move to Next Question



# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 11 of 30 ( Start time: 06:11:43 AM, 31 December 2020 )

Total Marks: 1

\_\_\_\_\_ adds a deoxyribonucleotide to the 3'-OH end of DNA.

Select the correct option

<input checked="" type="radio"/>	DNA polymerase	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Deoxyribose phosphate lyase		/
<input type="radio"/>	Endo nuclease		/
<input type="radio"/>	Topoisomerase		/

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 12 of 30 ( Start time: 06:12:50 AM, 31 December 2020 )

Total Marks: 1

The movement of DNA helicae along single strand DNA strand in defined direction is known as \_\_\_\_\_.

Select the correct option

<input type="radio"/>	Velocity	/	
<input checked="" type="radio"/>	Polarity	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Heterogenity	/	
<input type="radio"/>	Processivity	/	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 13 of 30 ( Start time: 06:13:38 AM, 31 December 2020 )

Total Marks: 1

An AP (apurinic and apyrimidininc) site can be produced by \_\_\_\_\_ enzyme

Select the correct option

- |                                  |                   |  |   |
|----------------------------------|-------------------|--|---|
| <input checked="" type="radio"/> | DNA glycosylase   | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input type="radio"/>            | DNA dehydrogenase |  | / |
| <input type="radio"/>            | DNA isomerase     |  | / |
| <input type="radio"/>            | All given         |  | / |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 14 of 30 ( Start time: 06:14:32 AM, 31 December 2020 )

Total Marks: 1

Meselson and Stahl performed a classic experiment to distinguish among three possible models of DNA replication using isotope of \_\_\_\_\_.

Select the correct option

- |                                  |    |  |   |
|----------------------------------|----|--|---|
| <input type="radio"/>            | C  | <b>Answer Solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> | / |
| <input checked="" type="radio"/> | N  |  | / |
| <input type="radio"/>            | S  |  | / |
| <input type="radio"/>            | Na |  | / |

Click to Save Answer & Move to Next Question



# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 15 of 30 ( Start time: 06:14:48 AM, 31 December 2020 )

Total Marks: 1

\_\_\_\_\_ is a sulphur containing amino acid.

Select the correct option

- |                                  |            |  |
|----------------------------------|------------|--|
| <input type="radio"/>            | Tryptophan |  |
| <input type="radio"/>            | Glutamine  |  |
| <input checked="" type="radio"/> | Methionine | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | Histidine  |  |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 16 of 30 ( Start time: 06:15:36 AM, 31 December 2020 )

Total Marks: 1

CH3 group is attached at \_\_\_\_ of thymine nitrogenous base.

Select the correct option

- |                                  |    |  |
|----------------------------------|----|--|
| <input checked="" type="radio"/> | C6 | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | C5 |  |
| <input type="radio"/>            | N3 |  |
| <input type="radio"/>            | N6 |  |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# WU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 17 of 30 ( Start time: 06:17:25 AM, 31 December 2020 )

Total Marks: 1

Psoralen can \_\_\_\_\_ DNA if photo-activated

Select the correct option

<input checked="" type="radio"/>	Alkylate	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//
<input type="radio"/>	Ubiquitinate		//
<input type="radio"/>	Phosphorylate		//
<input type="radio"/>	Methylate		//

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 18 of 30 ( Start time: 06:18:06 AM, 31 December 2020 )

Total Marks: 1

Which one of these amino acids are present in high percentage in histone protein.

Select the correct option

<input type="radio"/>	Proline		//
<input type="radio"/>	Leucine		//
<input checked="" type="radio"/>	Lycine	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	//
<input type="radio"/>	Phenylalanine		//

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 19 of 30 ( Start time: 06:19:14 AM, 31 December 2020 )

Total Marks: 1

One of the most mutagenic base analogs is 5-bromouracil, an analog of \_\_\_\_\_

Select the correct option

- |                                  |          |  |
|----------------------------------|----------|--|
| <input type="radio"/>            | Cytosine |  |
| <input type="radio"/>            | Adenine  |  |
| <input checked="" type="radio"/> | Thymine  | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | Guanine  |  |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 20 of 30 ( Start time: 06:19:53 AM, 31 December 2020 )

Total Marks: 1

The basic nucleotide excision repair pathway is \_\_\_\_\_ in all the organisms.

Select the correct option

- |                                  |                |  |
|----------------------------------|----------------|--|
| <input checked="" type="radio"/> | Same           | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email: maniamaan2@gmail.com</b> |
| <input type="radio"/>            | Different      |  |
| <input type="radio"/>            | In equilibrium |  |
| <input type="radio"/>            | None           |  |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 21 of 30 ( Start time: 06:20:42 AM, 31 December 2020 )

Total Marks: 1

The length of mRNA molecules is variable and depends on the length of \_\_\_\_\_.

Select the correct option

<input type="radio"/>	DNA	
<input checked="" type="radio"/>	Protein	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>
<input type="radio"/>	rRNA	
<input type="radio"/>	tRNA	

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 22 of 30 ( Start time: 06:20:59 AM, 31 December 2020 )

Total Marks: 1

James Watson and Francis Crick discovered the double helical structure of DNA in \_\_\_\_\_.

Select the correct option

<input type="radio"/>	1926	
<input type="radio"/>	1955	
<input checked="" type="radio"/>	1953	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>
<input type="radio"/>	1943	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 23 of 30 ( Start time: 06:21:18 AM, 31 December 2020 )

Total Marks: 1

Which one of these amino acids are present in high percentage in histone protein.

Select the correct option

<input checked="" type="radio"/>	Arginine	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Leucine		/
<input type="radio"/>	Tryptophan		/
<input type="radio"/>	Phenylalanine		/

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 24 of 30 ( Start time: 06:21:34 AM, 31 December 2020 )

Total Marks: 1

Central dogma of molecular biology does not involve \_\_\_\_\_.

Select the correct option

<input type="radio"/>	Protein	/	
<input checked="" type="radio"/>	Carbohydrates	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	DNA	/	
<input type="radio"/>	RNA	/	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 25 of 30 ( Start time: 06:21:50 AM, 31 December 2020 )

Total Marks: 1

CPD photolyses are present in all organisms except \_\_\_\_\_

Select the correct option

- Animals
  - Bacteria
  - Plants
  - Humans
- Answer solved by Amaan Khan**  
**Contact: 0305-4716616**  
**Email: maniamaan2@gmail.com**

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 26 of 30 ( Start time: 06:22:50 AM, 31 December 2020 )

Total Marks: 1

Urea was synthesized Wohler in \_\_\_\_\_

Select the correct option

- 1932
  - 1828
  - 1869
  - 1833
- Answer solved by Amaan Khan**  
**Contact: 0305-4716616**  
**Email: maniamaan2@gmail.com**

Click to Save Answer & Move to Next Question



# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 27 of 30 ( Start time: 06:23:13 AM, 31 December 2020 )

Total Marks: 1

The incorporation rate of rNTPs is \_\_\_\_\_-folds lower than dNTPs.

Select the correct option

- |                                  |      |   |  |
|----------------------------------|------|---|--|
| <input type="radio"/>            | 100  |   |  |
| <input type="radio"/>            | 500  |   |  |
| <input checked="" type="radio"/> | 1000 | Answer Solved by Amaan Khan<br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com |  |
| <input type="radio"/>            | 1200 |   |  |

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 28 of 30 ( Start time: 06:23:48 AM, 31 December 2020 )

Total Marks: 1

Which of the following is not a base of RNA?

Select the correct option

- |                                  |              |   |  |
|----------------------------------|--------------|---|--|
| <input type="radio"/>            | Guanine (G)  |   |  |
| <input type="radio"/>            | Cytosine (C) |   |  |
| <input type="radio"/>            | Adenine (A)  |   |  |
| <input checked="" type="radio"/> | Thymine (T)  | Answer solved by Amaan Khan<br>Contact: 0305-4716616<br>Email: maniamaan2@gmail.com |  |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 29 of 30 ( Start time: 06:24:03 AM, 31 December 2020 )

Total Marks: 1

Which enzyme prevents the accumulation of supercoils ahead of the replication fork?

Select the correct option

<input checked="" type="radio"/>	helicase	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	topoisomerase		/
<input type="radio"/>	DNase		/
<input type="radio"/>	RNase		/

Click to Save Answer & Move to Next Question



BIO302:Grand Quiz

Quiz Start Time: 06:05 AM, 31 December 2020

Question # 30 of 30 ( Start time: 06:25:02 AM, 31 December 2020 )

Total Marks: 1

Working independently cracked the code in the early 1960s.

Select the correct option

<input type="radio"/>	Meselson and Stahl		/
<input checked="" type="radio"/>	Nirenberg and Gobind	<b>Answer Solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email: maniamaan2@gmail.com</b>	/
<input type="radio"/>	Beedle and Tatum		/
<input type="radio"/>	Sumner and Buchner		/

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

## BIO 302 QUIZ NO 1 FALL 2020

BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 1 of 10 ( Start time: 02:01:06 AM, 08 December 2020 )

Total Marks: 1

How initiation of replication takes place was explained by \_\_\_\_\_

Select the correct option

<input type="radio"/>	Fredrich Preston	
<input checked="" type="radio"/>	Francois Jacob	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email:maniamaan2@gmail.com</b>
<input type="radio"/>	Frank Preston	
<input type="radio"/>	Joseph Connell	

Click to Save Answer & Move to Next Question



BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 2 of 10 ( Start time: 02:02:14 AM, 08 December 2020 )

Total Marks: 1

Okazaki fragment is formed during \_\_\_\_\_ process of cell.

Select the correct option

<input type="radio"/>	Restriction	
<input type="radio"/>	Transcription	
<input checked="" type="radio"/>	Replication	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email:maniamaan2@gmail.com</b>
<input type="radio"/>	Manipulation	

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 3 of 10 ( Start time: 02:03:12 AM, 08 December 2020 )

Total Marks: 1

The incorporation rate of rNTPs is \_\_\_\_\_-folds lower than dNTPs.

Select the correct option

- |                                  |      |   |  |
|----------------------------------|------|---|--|
| <input type="radio"/>            | 100  |   |  |
| <input type="radio"/>            | 500  |   |  |
| <input checked="" type="radio"/> | 1000 | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email:maniamaan2@gmail.com</b> |  |
| <input type="radio"/>            | 1200 |   |  |

Click to Save Answer & Move to Next Question



BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 4 of 10 ( Start time: 02:03:53 AM, 08 December 2020 )

Total Marks: 1

The length RNA primer for DNA polymerase is \_\_\_\_\_ nucleotides.

Select the correct option

- |                                  |       |   |  |
|----------------------------------|-------|---|--|
| <input checked="" type="radio"/> | 5-10  | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email:maniamaan2@gmail.com</b> |  |
| <input type="radio"/>            | 15-20 |   |  |
| <input type="radio"/>            | 20-30 |   |  |
| <input type="radio"/>            | 22-28 |   |  |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 5 of 10 ( Start time: 02:05:50 AM, 08 December 2020 )

Total Marks: 1

Each loop of E. coli chromosome has an average length of about \_\_\_\_ kbp.

Select the correct option

- |                                  |       |   |
|----------------------------------|-------|---|
| <input type="radio"/>            | 30-50 |   |
| <input checked="" type="radio"/> | 10-20 | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email:maniamaan2@gmail.com</b> |
| <input type="radio"/>            | 60-65 |   |
| <input type="radio"/>            | 70-80 |   |

Click to Save Answer & Move to Next Question



BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 6 of 10 ( Start time: 02:06:31 AM, 08 December 2020 )

Total Marks: 1

The replication process of DNA produces two new strands of DNA molecule to form new DNA molecule, is \_\_\_\_ model of replication.

Select the correct option

- |                                  |                  |   |
|----------------------------------|------------------|---|
| <input type="radio"/>            | Semiconservative |   |
| <input checked="" type="radio"/> | Conservative     | <b>Answer solved by Amaan Khan</b><br><b>Contact: 0305-4716616</b><br><b>Email:maniamaan2@gmail.com</b> |
| <input type="radio"/>            | Dispersive       |   |
| <input type="radio"/>            | Segregation      |   |

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# VU Medical Zone

BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 7 of 10 ( Start time: 02:07:35 AM, 08 December 2020 )

Total Marks: 1

The innermost phosphate of a nucleotide triphosphate is known as \_\_\_\_\_.

Select the correct option

<input checked="" type="radio"/>	Alpha	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email:maniamaan2@gmail.com</b>	//
<input type="radio"/>	Beta		//
<input type="radio"/>	Gamma		//
<input type="radio"/>	Eta		//

Click to Save Answer & Move to Next Question



BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 8 of 10 ( Start time: 02:08:25 AM, 08 December 2020 )

Total Marks: 1

Bond formation between two nucleotides is a \_\_\_\_\_ type of reaction.

Select the correct option

<input type="radio"/>	SN1		//
<input checked="" type="radio"/>	SN2	<b>Answer solved by Amaan Khan</b> <b>Contact: 0305-4716616</b> <b>Email:maniamaan2@gmail.com</b>	//
<input type="radio"/>	SN3		//
<input type="radio"/>	SN4		//

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**

# WU Medical Zone

BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 9 of 10 ( Start time: 02:09:00 AM, 08 December 2020 )

Total Marks: 1

How many classes of histones?

Select the correct option

- 8
- 3
- 4
- 5

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

Click to Save Answer & Move to Next Question



BIO302:Quiz 1

Quiz Start Time: 02:01 AM, 08 December 2020

Question # 10 of 10 ( Start time: 02:10:14 AM, 08 December 2020 )

Total Marks: 1

DNA helicases are \_\_\_\_\_ proteins that assume the shape of a ring.

Select the correct option

- Octameric
- Hetameric
- Hexameric
- Pentameric

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

Click to Save Answer & Move to Next Question



**EFFORT BY AMAAN KHAN**