

## Bif 501 mid term

### Mcqs

ORF stands for

IUB stands for

PAM stands for

3 nucleotides code for... Aminoacids

Endosymbiots hypothesis purposed in...

SINES are ... Bp long

RNA is ... Single strand

In order to predict exone we need to get...

Bypass is the type of algorithm

Median string problem is one of the way tp find..

Gel electrophoresis used to fined

Baqi bhool gay

### Questions:

Partial digestion and complete digestion. 2 marks

Tendem repeats and interspersed repeats. 2 marks

In frame hexamer 3 marks

Waardengrb syndrome 5 marks

Cluster analysis. 5marks

**BIF501**

Timing (2:30 pm)

1) Dynamic programming? 2

2) Synteny? 2

3) Synteny of mouse and human X chromosome? 3

4) Six applications of Bioinformatics? 3

5) Local alignment problems? 5

6) Note on endosymbiont hypothesis? 5

Write a note on uniprot? 2 mrks

2. write a note on proteome and its advantages? 5 mrks

3. Annotations of transposable element? 3 mrks

4. Wardenburg ,s syndrome? 5 mrks

5. Edit graph? 3 mrks

note on DDJB embi

six model organism

dna comparison

edit distance with example

#BIF501 #Midterm\_Current\_Paper\_Spring\_2019 15 June 8 AM

1.LINES and SINES

2.Euchromatin and heterochromatin differences

3.Collinear arrangement of nucleotides

4. Bypass algorithm its advantages

5.Local alignment problem

6. Enzyme commission numbers with example

Mcqs saray past se thy almost

[15/06 10:01 am] Alvi: BIF 501:

8:00 AM

15-06-2019

Q.No 1: Genome and genome informatics? Mrks 2

Q.No 2: Why we can not use brute force approach motif? 2 mrks

Q No 3: Six model of organisms?mrks 3

Q No 4: diff btwn genebank, EMBL, DDJB? Mrks3

Q No 5: diff btwn indels, insertion and deletion in an alignment? 5 mrks

Q No 6: note on splice signals? Mrks 5

HN

[15/06 10:03 am] Alvi: BIF 501:

8:00 AM

15-06-2019

Q.No 1: Genome and genome informatics? Mrks 2

Q.No 2: Why we can not use brute force approach motif? 2 mrks

Q No 3: Six model of organisms?mrks 3

Q No 4: diff btwn genebank, EMBL, DDJB? Mrks3

Q No 5: diff btwn indels, insertion and deletion in an alignment? 5 mrks

Q No 6: note on splice signals? Mrks 5

Bif 8am:by pass algorithm,lines and sines, chromatin and heterochromatin,

### **Bif 501**

#### **Mcqs**

ORF stands for

IUB stands for

PAM stands for

3 nucleotides code for.... Aminoacids

Endosymbiots hypothesis purposed in...

SINES are ... Bp long

RNA is ... Single strand

In order to predict exon we need to get...

Bypass is the type of algorithm

Median string problem is one of the way tp find..

Gel electrophoresis used to fined

Baqi bhool gay

#### **Questions:**

Partial digestion and complete digestion. 2 marks

Tendem repeats and interspersed repeats. 2 marks

In frame hexamer 3 marks

Waardengrb syndrome 5 marks

Cluster analysis. 5marks

•



image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M.Tariq Malik](#) on December 13, 2017 at 6:53pm

**BIF501**

**Timing (2:30 pm)**

- 1) Dynamic programming? 2**
- 2) Synteny? 2**
- 3) Synteny of mouse and human X chromosome? 3**
  
- 4) Six applications of Bioinformatics? 3**
  
- 5) Local alignment problems? 5**
  
- 6) Note on endosymbiont hypothesis? 5**

•

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)



image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M.Tariq Malik](#) on December 13, 2017 at 6:53pm

solved paper

Attachments:

•

image:

[http://static.ning.com/socialnetworkmain/widgets/forum/gfx/fileicons/file.gif?xn\\_version=4063921297](http://static.ning.com/socialnetworkmain/widgets/forum/gfx/fileicons/file.gif?xn_version=4063921297)

 [bif501 solve pst paper.docx](#), 26 KB

•

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)



image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M. Tariq Malik](#) on December 13, 2017 at 6:54pm

**BIF501 VU Solved Mid Term Papers, BIF501 Solved MCQs**

Link [BIF501](#)

•

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)

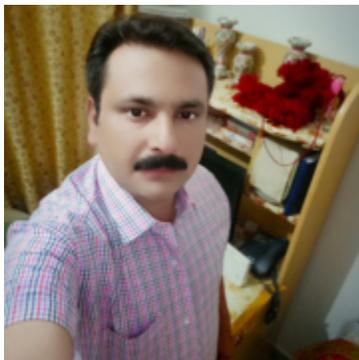


image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M. Tariq Malik](#) on December 13, 2017 at 6:56pm

**BIF501 Some Midterm papers**

**bif501**

- 1\_ short note on centromere and telomere
- 2\_ list 4 amino acids that are mutable
- 3\_ describe role of EcoR1 restriction enzyme and restriction fragments
- 4\_ differentiate brute force and greedy approaches
- 5\_ short note on Genebank, EMBI, DDJB
- 6\_ Note on wardenberg syndrome

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)



image: [https://api.ning.com/files/bR8nA-I0SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBJV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-I0SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBJV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M. Tariq Malik](#) on December 13, 2017 at 6:56pm

**Bif501 22. Decemeber**

**Two way of sequence submissions in ncbi**

**Describe synteny of human X chromosome**

**Short note on transposable elements**

**Describes the diagonal edges of edit graph in lcs**

**Note on gold bug theory**

**Note on splicing sites in ecor1 with algorithm examplfy**

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)

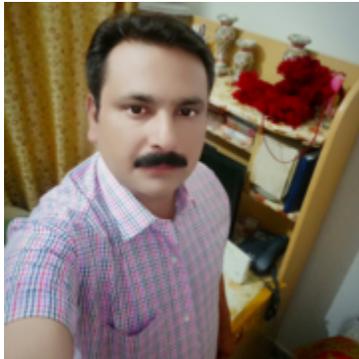


image: [https://api.ning.com/files/bR8nA-I0SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBJV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-I0SJG6CIZy-G9bFvGXvn7hyT4N02K91ZsBDwSAIVAhU74oiWF5BLjEKrNuuwmyDKushBJV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M.Tariq Malik](#) on December 13, 2017 at 6:57pm

**bif501**

**1-brute force algorithm**

**2-cystic fibrosis**

**3-difference in eu,aryotic and prokaryotic genome**

**4-bypass algorithm and its adavantages**

**5-gene synteny. Advantages and how it can be changed**

**6- start and stop codins and their puspse**

•

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)



image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91IzSBDwSAIVAhU74oiWF5BLjEKrNuuwnyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFvGXvn7byT4N02K91IzSBDwSAIVAhU74oiWF5BLjEKrNuuwnyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M.Tariq Malik](#) on December 13, 2017 at 6:58pm

**bif501 quiz 2017**

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938193145?profile=original>

**Question # 2 of 10 ( Start time: 04:34:50 PM, 01 December 2017 )**

Median String Problem is one of the ways to find .....

**Select the correct option**

<input type="radio"/>	MSA
<input type="radio"/>	Phylogenetic tree
<input type="radio"/>	Protein Model
<input type="radio"/>	Motif

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938193225?profile=original>

Question # 3 of 10 ( Start time: 04:35:16 PM, 01 December 2016)

Pre-order algorithm is a .....

Select the correct option

<input checked="" type="radio"/>	Non-recursive
<input type="radio"/>	Recursive
<input type="radio"/>	Brute force
<input type="radio"/>	None of these

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938193312?profile=original>

**Question # 1 of 10 ( Start time: 04:34:24 PM, 01 December 2017 )**

Genome rearrangement results in change of gene .....

**Select the correct option**

<input checked="" type="radio"/>	Order
<input type="radio"/>	Duplication
<input type="radio"/>	Transfer
<input type="radio"/>	All of these

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938197245?profile=original>

**Question # 4 of 10 ( Start time: 04:35:40 PM, 01 December 2017 )**

Gel electrophoresis may be used to measure ..... Of restriction fragmer

**Select the correct option**

<input type="radio"/>	Volum
<input checked="" type="radio"/>	Size
<input type="radio"/>	Diameter
<input type="radio"/>	Distance

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938197395?profile=original>

**Question # 5 of 10 ( Start time: 04:35:58 PM, 01 December 2017 )**

Simple Motif Search Algorithm is based on .....

**Select the correct option**

<input type="radio"/>	Branch and Bound
<input checked="" type="radio"/>	Next Vertex
<input type="radio"/>	Brute Force
<input type="radio"/>	Search Trees

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938197692?profile=original>

Question # 6 of 10 ( Start time: 04:36:18 PM, 01 December 2016)

Simple Motif Search Algorithm is based on .....

Select the correct option

<input type="radio"/>	Branch and Bound
<input type="radio"/>	Next Vertex
<input type="radio"/>	Brute Force
<input type="radio"/>	None of these

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938199294?profile=original>

Question # 7 of 10 ( Start time: 04:36:53 PM, 01 Decemb

Pre-order algorithm is a .....

Select the correct option

<input type="radio"/>	Recursive
<input checked="" type="radio"/>	Non-recursive
<input type="radio"/>	Brute force
<input type="radio"/>	Branch bound

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938199461?profile=original>

Question # 8 of 10 ( Start time: 04:37:13 PM, 01 Decem

Consensus score is defined as .....

Select the correct option

- |                                  |                     |
|----------------------------------|---------------------|
| <input checked="" type="radio"/> | Score(s,DNA)        |
| <input type="radio"/>            | Score(s, Promoter)  |
| <input type="radio"/>            | Score(s,Enhancer)   |
| <input type="radio"/>            | Score(s, Sequencer) |

image: <http://storage.ning.com/topology/rest/1.0/file/get/1938199479?profile=original>

DN 301 Quiz 1

Question # 10 of 10 ( Start time: 04:38:36 PM, C

Restriction enzymes break DNA molecule at .....

Select the correct option

<input checked="" type="radio"/>	Specific location
<input type="radio"/>	Random location
<input type="radio"/>	Promoter region
<input type="radio"/>	None of these

image: [https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE\\_180x180&width=48&height=48&crop=1%3A1](https://storage.ning.com/topology/rest/1.0/file/get/2742202890?profile=RESIZE_180x180&width=48&height=48&crop=1%3A1)

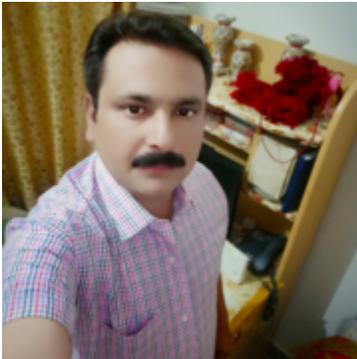


image: [https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFxGXvn7hyT4N02K91ZsBDwSAIVAHU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm\\*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1](https://api.ning.com/files/bR8nA-10SJG6CIZy-G9bFxGXvn7hyT4N02K91ZsBDwSAIVAHU74oiWF5BLjEKrNuuwmyDKushBjV7-opkYm*m2jWzSgMBAS/ddd.png?size=64&crop=1%3A1)



[Permalink](#) Reply by [+ M. Tariq Malik](#) on December 13, 2017 at 6:58pm

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802074572?profile=original>

ZOO501:Quiz No.1

Question # 2 of 10 ( Start time: 08:19:17 PM, 13 November 2017 )

Which of the followings divides mitotically to produce all the cells of the body.

Select the correct option

<input type="radio"/>	Embryo
<input checked="" type="radio"/>	Zygote
<input type="radio"/>	Sperm
<input type="radio"/>	Egg



image: <http://storage.ning.com/topology/rest/1.0/file/get/1802074658?profile=original>

ZOO501:Quiz No.1

Question # 3 of 10 ( Start time: 08:19:40 PM, 13 Novemb

A condition in which cell lacks instructions for development is

Select the correct option

<input type="radio"/>	Apoptosis
<input type="radio"/>	Necrosis
<input checked="" type="radio"/>	Naive
<input type="radio"/>	cell Commitment



image: <http://storage.ning.com/topology/rest/1.0/file/get/1802074776?profile=original>

**Question # 4 of 10 ( Start time: 08:20:16 PM, 13 November 2017 )**

Autonomous specification was first time observed by...

**Select the correct option**

<input type="radio"/>	Alexander Fleming
<input type="radio"/>	Charles Darwin
<input type="radio"/>	Ernest Hackel
<input checked="" type="radio"/>	Laurent Chabry

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802074941?profile=original>

**Question # 5 of 10 ( Start time: 08:21:12 PM, 13 November 2017 )**

Division of embryo leads to how many layers during process of development

**Select the correct option**

<input type="radio"/>	One layer
<input type="radio"/>	Two layers
<input checked="" type="radio"/>	Three layers
<input type="radio"/>	Four layers

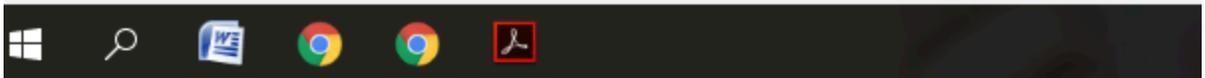


image: <http://storage.ning.com/topology/rest/1.0/file/get/1802074985?profile=original>

**Question # 1 of 10 ( Start time: 08:18:54 PM. 13 November 2017 )**

The pattern of Mosaic development arises from.....

**Select the correct option**

<input checked="" type="radio"/>	Autonomous specification
<input type="radio"/>	Conditional specification
<input type="radio"/>	Non conditional specification
<input type="radio"/>	Syncytial specification

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802075252?profile=original>

**Question # 6 of 10 ( Start time: 08:21:31 PM, 13 November 2017**

The study of developmental abnormalities comes under category of...

**Select the correct option**

<input type="radio"/>	Embryology
<input type="radio"/>	Ichthyology
<input type="radio"/>	Teratology
<input type="radio"/>	Ornithology

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802078064?profile=original>

**Question # 7 of 10 ( Start time: 08:21:59 PM, 13 November 2017 )**

The science that deals with study of birth defects is called as...

**Select the correct option**

<input type="radio"/>	Embryology
<input type="radio"/>	Anatomy
<input type="radio"/>	Physiology
<input checked="" type="radio"/>	Teratology

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802080917?profile=original>

**Question # 8 of 10 ( Start time: 08:22:26 PM, 13 November 2017 )**

J. R. Whitaker worked on blastomeres to check out which of the following enzyme?

**Select the correct option**

<input type="radio"/>	Phosphatase
<input type="radio"/>	Kinase
<input checked="" type="radio"/>	Acetylcholinesterase
<input type="radio"/>	Mutase

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802080990?profile=original>

**Question # 9 of 10 ( Start time: 08:22:47 PM, 13 November 2016)**

Which mode of commitment is common in insects?

**Select the correct option**

- |                                  |                               |
|----------------------------------|-------------------------------|
| <input type="radio"/>            | Autonomic specification       |
| <input type="radio"/>            | Conditional specification     |
| <input type="radio"/>            | Non conditional specification |
| <input checked="" type="radio"/> | Syncytial specification       |

image: <http://storage.ning.com/topology/rest/1.0/file/get/1802081136?profile=original>

Question # 10 of 10 ( Start time: 08:23:09 PM, 13 November 2017 )

Regulative development is most critical in the development of.....

Select the correct option

- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | Plants          |
| <input type="radio"/>            | Bacteria        |
| <input type="radio"/>            | Blue baby       |
| <input checked="" type="radio"/> | Identical twins |

