Virtual University of Pakistan

Bio202

Biochemistry I

Final term Past Papers

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Course Instructor

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Created By

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Group of VU Biologists

www.facebook.com/vubiologists

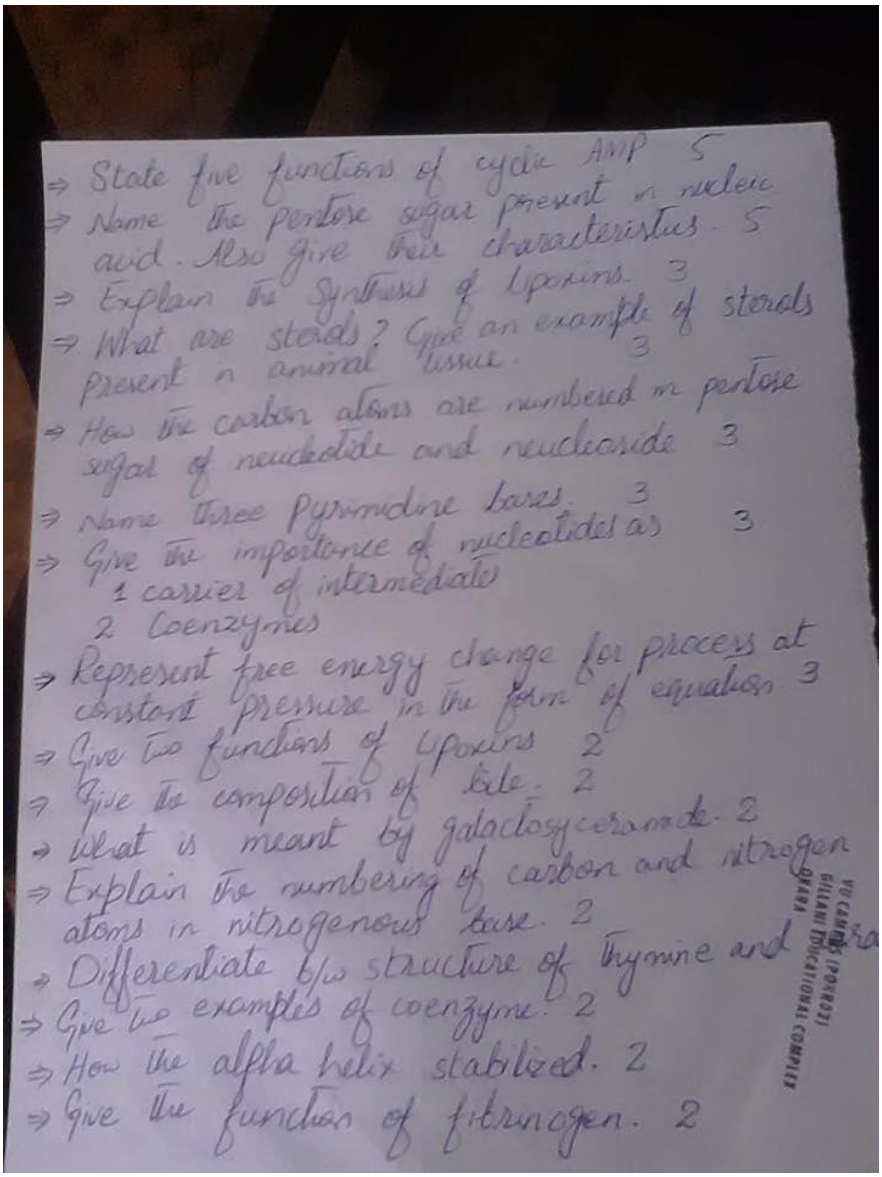
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Galactosylceramide, amide group of asparagine, Rate limiting Step in Folding process, essential Amino Acid, Sterols , cGMA , Leukotrines, Lipoxins. aur baki kuch Q uploaded ppr me se the. bio202....co enzymes,purine and pyramidne,cAmp properties,properties of nitrogenios bases,composition of nucleotides and function,how proline destabilize nucleotide,condensation reaction,functio of proxin etc.

primary structure of DNA .formation of l fructose and l rhananose.exp the no of carbon and nitrogen atom in nitrogenous base. Describe the function of deoxy d ribose from dribose.Exp the nucleotide ad intermediate and the co enzyme . and two signaling mole of nucleotide .....enjoy learning frndz

Formation of l fructose and l rhamanose

Native protein
Secondary n tertiry structure
Functions and synthesis of
Lipoxine
N glycosidic bond
Digestive protein
interaction of DNA
Purines n pyramdine
glatctocerebroamide
Glycerols



Synthesis of lipoxins 2 marks 2.
Differentiate between adenine and guanine. 2 marks 3.
Write three bases of pyrimidine. 3
marks Write the types of lipoproteins. 3 marks.

Write the primary structure of DNA. 5 marks.

Nucleotide as a regulatory compound, justify it. 5 marks

What are enzymes and its classification. 10 marks 7. What are waxes write properties and clasifications.10 marks
3 functions of cAMP.3 marks

how banaspati ghee is produced from oil. 2 marks

hydrogenation of fats. 3 marks

interactions in DNA. 5 marks

sponification and its end products. 3 marks
waxes its types and properties. 10 marks
enzymes and its classification. 10 marks
2 examples of unnatural pyrimidine bases. 2 marks.

No of carbon atoms and nitrogens in nucleotide 2 marks
Name the pentose sugars present in nucleotide also write down chrechters 5 marks
Write three functional groups of purin pyrimidin ring 3 marks
Nucleotide is the energy currrency of cell justify 5 marks
What are enzymes n its classification 10 marks
What are waxes write properties and clasifications 10 marks
Mcqs mostly protiens r enzymes k topics me se te r mushkl te kafi gud luck to all

wht is the frequency of trait in x.linked dominant trait.
write atleast 3 types of genetic disordrs.
wht is point mutation,write three types of mutations in chromosome structure.
how mutation alter gene function?
what are chromosomal aberations? how do we classify them? (todays papr of mine 301.. 11 am)

2 long 10 marks
what is wax ? describe in detail
what is enzyme ? also describe its functional groups
5 marks
what is primary DNA
3 marks
what is rancidity ? and what is hydroxyl and oxidize rancitity
What are enzymes ? Classification? 10 marks
Wax ?? It's type and properties ?
Name 2 unnatural pyrimidines ?
Neucleotide regulation ?
How can make bnaspati ghee from oil ?
Properties of nucleotide ?

Give example of condensation???2 mrks
what is the function of bile salt?2 mrks
write the name of functional grup of purine and pyrimidines??3marks
write the three characterz of glycerol???3 marks

:what is the rancidity?which factors effect it??2+3
five function of cAMP?5 mrks
waxes and its types?10 marks
enzyme and its classification?10 mrks
MCQz
1torr=. ---mmHg
DNA absorbe light of ------nm.

Bio202
Waxes and its type and ts characteristic
enzymes and its classfication
name the pentagon sugers in nucleic acid and its characteristic.

.Role of nucleutide energy currency in cell
Simple lipide and types
three functions of primidines and purines.
differentatiate between adenini and guanine

Iodine numbr and its importance. Rancidity and factors affecting it. Waxes. Enzymes. Properties of nucleotides. How to number carbons in pentose nucleotide and nucleoside

functions of cAMP.3 marks
how banaspati ghee is produced from oil. 2 marks
hydrogenation of fats. 3 marks.

interactions in DNA. 5 marks
sponification and its end products. 3 marks
waxes its types and properties. 10 marks

enzymes and its classification. 10 marks

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sponification and its end products. 3 marks. waxes its types and properties. 10 marks

.enzymes and its classification. 10 marks
2 examples of unnatural pyrimidine bases. 2 marks.

waxes 10
enzymes 10
pentose sugar 5
nucleotide as energy currency of cell 5
banaspati ghee 3
types of waxes 3
number of carbon atoms in nucleotide and nucleoside 3

#Short question:
Name two structural homopolysacchrides? (2)
Name the factors that contract entropy? (2)
Give the composition of TAGs? (2)
Give the composition of bile? (2)
What do you know about enzyme kinetics? (2)
What is the function of tRNA? (2)
What is meant by proteins folding? (3)
Give three function of cGMP? (3)
How the carbon atoms are combined in Pentose sugar of nucleotides and nucleosides? (3)
What is meant by sponification number and give the end product of sponification? (3)
What do you know about km of mechail Menton kinetic equation? Explain? (3)
#Long question:
Name the Penrose sugar present in meliec acid and give its characteristics? (5)
Explain the process of hydrogenation with respect to fats? (5)
Write the enzyme classification in detail? (5)

what is duchne muscular dystrophy?
name the two unnatural pyrimidine bases
Give uses o cholesterol
Give the function of tRNA
what is enzyme kinetics
Give the unction of cyclic AMP

:Give the five function of cGMP

.what is iodine number
Give the classification o enzyme sin detail

What is hydrogenation in fats?
Write briefly the classification of enzymes and explain? 5 marks
What is km in michalis equation of kinetcisc? Explain 5marks
Bio medical importance of nucleotides 5 marks

Properties of glyceride tri nitrate 3 marks
Modified amino acid in collagen? 2 marks

enezyme as energy currency 5 marks
wexes and its properties
classification of enzyme
lipids and its two types
cGMP three function

nucleotide as energy currency of cell 3 marks
describe domain in synthesis in protein2 marks
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What is hydrogenation in fats? 2 marks

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Two difference b/w fats and oils.(2)
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functional groups of purines and pyramidines(3)
three function of cGMP(3)
give natural sources of waxes(3)
give five properties of waxes(5)
explain KM of Michael menten..... (5)
explain classification of enzymes(10

Function of lipoxins(2)
Function of tRNA (2)
Function of Hsp70 (2)
What do u know about enzyme kinetics (2)
Diff b/w oxidative and hydrolytic rancidity(3)
Name of 3pyrimidine (3)
Km in Michaelis-Menten equation (3)
Function of cGMP (3)
properties of waxes (5)
Characteristics of pentose sugar (5)
Classification of enzyme (5)

202 ..19-8-17

Differnce b/w structure of guanine and cytosine
Synthesis of lipoxins
Name of aminoacids found in collagen
Enzyme classification
Oxidative and hydrolytic rancidity
5 Proporties of TAGs
3 Functions of cGMP
How light is produced in firefiles
Structual importance and contrictle protein
Function of tRNA

Bio 202

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Bio 202

A.o.a.
#bio202: (#final term #paper)
16/08/2017 #timing: 08:00am
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Bio 202

[15/08, 2:04 p.m.] Rida Vu: Enzyme kinetics.simple lipids.nucleotide function.classification of enzymes.km of michelain kinetics equation.types of lipoprotiens.rencidity and its factors.kinetic rate .amino acids in beta helix.catalytic proteins
[15/08, 2:05 p.m.] Rida Vu: Why prolein does not stalblize in alpha helix
[15/08, 2:05 p.m.] Rida Vu: Function of cGMp

Bio 202

[16/08, 9:54 a.m.] : Bio202. properties of waxes function of cGMP Fat and Oil difference ,sponification, Define Amolyte
[16/08, 9:54 a.m.] Tahira: Equation of menten.
[16/08, 9:55 a.m.] Tahira: Enzyme kinetics
[16/08, 10:10 a.m.] Tahira: Glycosylceramide (2)
[16/08, 10:11 a.m.] Tahira: Nucloside and Nucleotide numbering.
[16/08, 10:11 a.m.] Tahira: Bases in Nucleic acid and properties.
[16/08, 10:12 a.m.] Tahira: Classification of enzymes 5 marks.

Bio 202

Bio-202 11 am (Final term) Paper :P
Q. What are anomers [2]
Q. Two proteins contain Selenocysteine and what is the function of these proteins [2]
Q. Write Unnatural pyrimidine Bases [2]
Q. Write function of bile salt [2]
Q. Write composition of bile salts [2]
Q. Define Enzyme kinetics [2]
Q. Function of tRNA [2]
Q. Write glucogenic Amino Acids [3]
Q. 3 function of cGMP [3]
Q. 3 properties of Glycerol [3]
Q. Synthesis of lipoxin [3]
Q. Michealis KM equation [3]
Q. Explain Primary structure of DNA [5]
Q. 5 Properties of waxes [5]
Q. Explain Enzyme classification [5]

#MCQS were half easy and half tough

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Bio 202

Bio 202

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Bio 202

(Bio 202 mcq)
(1)DNA helix the two strand of DNA hold together by

Ans: hydrogen bond.
(2)pka value of alanine
Ans.: (2-3)
(3)purine include
Ans.cytosine and guanine
(4)Thymine and uracil d/f by only one - group
Ans: methyl
(5)Triacylycerols the faty acid are joined together to glycerol by
Ans: ester linkage
(6) which are following of halogen
Ans:hydrogen
(7)HDL contain-%protein
Ans: 55%
(8)About -percent of CO2 is carried in blood as bicarbonate
Ans; 25/30
(9)number of palmitic acid
Ans:16
(10)bile is a fluid that is made and released by - and stored
Ans:liver and gallablader
(11)RNA is reffered
Ans: copy of DNA
(12)KW for water at 25°c
Ans: 10-14
(13)The d/f b/t the energy level of ground state is the
Ans: activation energy
(14)Aromatic of Amino group
Ans: phenylalanine
(15)carbohydrates and lipids form together form
Ans: glycosphingolipids
(16)polysaturated fatty acid contain_number double bond
Ans: more than one
(17)optimum pH of pipsin
Ans:7

Questions Bio 202

Qno:1What do you about rigid and left shift equlilbrium of oxy.homiglobin to proton interaction also whai is the positive and negative...allostory?
Qno2:
what do u know michealis equation explain?
(Qno 3)
Kinetic enzyme?

(Qno4)
name pentose .sugar present in nucleic acid and characteristics?
(Qno5)
name of d/f types of Lipoproteins?
(Qno6)
What is the mean of Glactoceromide?
(Qno 7)
diference b/wNucleotid and nucleoside?
(Qno8)
fuction of Transfer RNA
(Qno9)
CGmp function?
(Qno10)
How carbon atoms number in pentode sugar of nucleotide and nucleside?
(Qno11)
Iodine number and important?
(Qno12)
Cooperative bonding?
(Qno13)
Enzyme classification?
(Qno14)
Process of hydrogenitation of fats?
(Qno15)
Name of analine sugar present in hyalurnic acid and chondrotin?

Bio 202

Bio 202 2:30
What is steroisomer
How lipoxin is synthesied
how thymine differ from uracil
Function of tRNA
Function of CGmp
Fiunction of cAMP
Properties of wax
Classification of enzyme

Bio 202

Bio 202 at 2..30 Q what are tatumerism? Q function of tRNA.?Q what is galactosylceramide?Q define randicity and it's factors ?Q give properties of nitrogenous bases? What are enzyme kinetics? Describe the classification of enzyme in detail

Bio 202

Bio202 final paper
At 11:00 am
1:what is enzyme kinetic?(2)
2:what is N-glycosidic linkage?(2)
3:What is galactosylceramide?(2)
4: Two difference b/w fats and oils.(2)
5:function of tRNA?(2)
6: explain the carbon and nitrogen number in niyrogeneous base?(2)
7: functional groups of purines and pyramidines(3)
8: three function of cGMP(3)
9:give natural sources of waxes(3)
10:give five properties of waxes(5)
11: explain KM of Michael menten..... (5)
12: explain classification of enzymes(10)

Bio 202

bio 202 final term 11 AM
13 aug

32 MCQs

33....wt r stereoisomers? 2m
34....describe the function of protein disulfide isomerase. 2m
35...describe the formation of banaspati ghee from oil. 2m
36...wt is meant by galactosylceramide? 2m
37... 2 function of lipoxins. 2m
38.... wt u know about enzyme kinetics. 2m
39.... function of tRNA. 2m
40....why glycine does not occur frequently in alpha halix? 2m
41...give iportance of nucleotide 1...carrier of intermediate. 2...coenzyme. 1.5×2=3m

42....3 function on cGMP. 3m
43....3 properties of glycerol. 3m
44...wt do u know about KM of michalis-meten kinetics equation. 3m
45... 5 function of cAMP. 5m
46....xplain process of hydrogenation wd respect to oil. 5m
47.... wrt down Enzyme classification in detail. 5m

Bio 202

Bio202 biochemistry final term at 11:00 am
enezyme as energy currency 5 marks
wexes and its properties
classification of enzyme
lipids and its two types
cGMP three function

Bio 202

Bio 202 5:00 pm

Function of lipoxins(2)
Function of tRNA (2)
Function of Hsp70 (2)
What do u know about enzyme kinetics (2)
Diff b/w oxidative and hydrolytic rancidity(3)
Name of 3pyrimidine (3)
Km in Michaelis-Menten equation (3)
Function of cGMP (3)
properties of waxes (5)
Characteristics of pentose sugar (5)
Classification of enzyme (5)

Bio 202

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Function of lipoxins(2)
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bio 202 final term 11 AM
13 aug

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Bio202 biochemistry final term at 11:00 am
enezyme as energy currency 5 marks
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classification of enzyme
lipids and its two types
cGMP three function

Bio 202, 11am , 12th aug
What is hydrogenation in fats?
Write briefly the classification of enzymes and explain? 5 marks
What is km in michalis equation of kinetcisc? Explain 5marks
Bio medical importance of nucleotides 5 marks
Properties of glyceride tri nitrate 3 marks
Modified amino acid in collagen? 2 marks agar kisi ko is ka ans ata tou plz mujy bi bata dy ky hum ny ye bio chem mai kaha para
Or baqi questions and mcqs protiens sy aye ty final term ky syllabus sy jst yahi questions aye ty

enzyme clasification marks5 BIO 202 12 AUG 11AM
nucleotide as energy currency of cell 3 marks
describe domain in synthesis in protein2 marks
what ois glactosycleremides 2 marks
simle lipids and its two types2 marks
cGMP three function 2 marks
What is km in michalis equation of kinetcisc? Explain 5marks
Bio medical importance of nucleotides 5 marks
What is hydrogenation in fats? 2p marks

Bio202 final paper
At 11:00 am
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Bio 202 5:00 pm

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bio202
1. Characteristics of enantiomer?
2.give the importance of sorbitol?
3. What is meant by pKa ?
4, function of cGMP.
5.rancidity and factor that effect it?
6.nucleotides as carrier intermediate and co enzyme?
7.what is enzyme? And give its classification?
8. Difference b/ w nucleoside and nucleotides?

Bio202
8:00 am
40 Mcqs
Sphengoaclamides
Negative amino acids
Nucleotide formula components
D-amino acids with example
Classification of enzyme
Enzyme defination+classificatio and examples
Pentose sugars of nucleic acids ....
cGMP functions

Bio202 today at 8<00 am
What are lipoproteins ....2 marks?
What is meant by rancidity and what is rancidity of fats?? ...5 marks
Write a detail note on the classification of enzymes? 5 marks
What is the composition of bile... 3 marks?
What are the interactions of DNA?? 3 marks
What is buffer? What is its composition? 3 marks
What is enzyme kinematics?? 2 marks
What are enzymes?? Write down the classification of enzymes?? 10 marks