BIO201 - Cell Biology

Q.1 How stem cell different from other specialized cells? 2 marks
Q.2 how UV sterilize equipment? 3 marks
Q. 3 what is function of Rod cells ? 3 marks
Q. 4 what is MHC1 or MHC11 difference ?10 marks
Q.5 Stem cell uses ? 5 marks
Q.6 TGF-beta mechanism ?10 marks

Bio 201 final term paper
Mcq
Q1)Beta pleated sheats found in (secondary proteins)
Q2)how many covalent bond atom can form(4)
Q3) inhibitor that bind to a site other than the active site enzyme(irreversible inhibitor)
Q4)ABO blood group is best example of (co - dominance)
Q5)strach and glycogen is stored form of glucose in _ while cellulose a stored glucose form in(Animals and plants)
Q6)DIfferent form of same gene are called (RFLP)
Q7)how many types of bacteria colony were used by freddrikh used in grafith experiment(2)
Q8)Listen hydrogen bond is
1-week
2-/strong
3- covalent
4.All
Q9)Which lipid having double bond (aqueous (oil))
Q10)microtubules which are not attached to chromosome called mitotic center)
Q11)which organized by translating mechainary (tRN
Q12)DNA is the main hereditary molecules that is transfers from one generation to another (Frederick Griffith)
Q13)missing of enzyme homogenetic acid oxidase caused (plenylketonuria)

Q14)All abservable feature polar microtubels in the subject
1)trait
2)character
3)phenotype
4)All ans
Q,15)intate site of transcription(promoter)
Q16)okszaki fragment grafithare joined by (helcase)
Q17)mutation result in no change amino acid(silent mutation)
Q18)calmodulin is about(10%)
Q19)which one following proteins help in stimulating brest cell to produce milk (prolectin)
Q20)Which one is initiation codon(AUG)
Q21)TH2 cells mainly help to activate :(T cell)
Q22)Mendel donated dominant and recessive traits as(SS as)
Q23for optimal activity of hydrolytic enzymes, lysosome maintains a pH about(5.0)
Q24(
Proteins which are fully translocated across Endoplasmic reticulum and are embedded in(water soluble protein)
Q25)Ran GTPase is a molecular switch that exist in(2 sates)
Q26)An oncogene after mutation produces one of abnormal (cancer)
Q27)
Dendritic cells use on of following signal to guide helper T cells to(IL_2)
Q28)how many times an average cell divide before it gets unheal(50%)
Q29)Cholera toxin prevents.....
(Hydrolysis of GTP to GDPGDP)
Q30)he _____immune system, like the ____system, can remember prior experiences(Adaptive, nervous)
Q31)There are ..... lymphocytes in the human body, making the immune system comparable in cell mass to the liver or brain...(2 × 1012
(Questions bio 201)
Briefly discribe the signal involved in alfaction?
Translation process?
Homotypic and heterotypic?

Explain translation process?
What is the rate of MHC in immunuty?enlist some major d/f MH1 MHII molecules?
what do u know about endocytosis? D/f phogocytosis and phinocytosis.?
Difference b/t confluent monolayers and past confluently stage?
CaM kinase || in muscular mobement

BIO201
1 Please elaborate the points in increased cAMP activity 2
2 what are the stem cells how they are different from the specialized cells 2
3 what is the role of regulatory region explain its tow elements? 3
4 How UV light helps to sterilization the equipment?3
5 Short note on transcription 5
6 differentiate the confluent monolayer and past confluent stages? 5
7 Explain process of translation?10
8 Please elaborate the different stages of cell stages? 10

cell cycle explanation 5 marks
MHC protein and differecnce b/w mhc1 and mhcII
endocytosis abd difference b/w phagocytosis and pinocytosis ..3 mraks
difference b/w bcell and t cell
functions of the signaling sysem
how G protein coupled receptor helps in the vision ....5 marks
stem cell and how it different from the other cells
cofluent monolawyer and past stages of confluency

Mostly subjective was from past papers.
Q: cell cycle in details ..10 marks

Q. TFG family mechanism ..10 marks
Q.missense mutations ..2 marks
Q.how b .block effect the epinephrine adrenaline
Q.Er components
Q.how VU light sterilize the equipments
Q.diff BTW confluent monoclonal layer and past confluency stages.
What are regulatory regions write their role.
40 marks mcqs.

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how VU light help to sterilization the equipment
2. Describe RNA types nd their functions
3. Differeniate between homotypic and hetrotypic fusion
4. How G protein involved in formation of GDP?
5. Differentiate between T cell nd B cell
6. Enlist 5 types of antibiotics
7. Diffreniate between confluent monolayer nd confluency stages
8. How does CaM Kinasell involve in muscular movement ?
9. Write steps involving E-colisignalling

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1. . Transcriptions diagnosis
11. How antibody help the surface to produce B cells?
t cell b cells,
adult stem cell,
pcr app,
DNA Application,
5 antibiotics,
b cell antibiotic,
epinephrine
how effect by beta blocker, DNA replication Steps

Antibody name that appear on the surface of developing B cell. 2 marks
The endopasmic Raticulum is gauided to ER by which 2 components. 2 marks
plz elaborate points between mereged cAMP activity. 2 marks
define codon. 2 marks
difference b/w klinefelter syndrome and turner syndrome. 2 marks
how turbutalene and b blocker affect the function of epinephrine adrenaline. 5 marks
difference b/w confluent monolyer and post confluency stages. 5 marks
describe the larger subunit of ribosomes. 5 marks
define regulatory regions and it's two elements. 3 marks
define carbohydrates and discuss it's classes. 3 marks
do u know abt endocytosis? diffrentiation b/w phagocytosis and pinocytosis.

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Bio201 Final term paper
Timing 11AM
Aquaporins,
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adult stem cell,
pcr app,

DNA Application,
5 antibiotics,
b cell antibiotic,
epinephrine
how effect by beta blocker, DNA replication Steps

bio201. time 11:00 AM
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