

D. S. GOVERNMENT COLLEGE FOR WOMEN, ONGOLE. PRAKASAM (DT), ANDHRA PRADESH. 523001



NAAC 3rd CYCLE ACCREDITATION

CRITERIA I CURRICULUM PLANNING AND DELIVERY

1.1 .1 EFFECTIVE CURRICULUM PLANNING AND DELIVERY ASSIGNMENTS

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nignment - 1 Cell Membrane (oa) plasma membrane. The plasma membrane is present below the cellwa 94 plants. The protoplasm is bounded on its - Insietter surface by outu plasma membrane. phospholopids routeres H was first discovered by overton. The plasma membrane is about 75-80A° 91 theckness chinical <u>composition</u> The plasma membrane contains lepids, proteins qu larger amount and carbohydiates in lever amound. 1. Proteinsgymenting a The proteins present along with carbohydrates Put plasma membrane are known as glycoproteins. 1. Proteins. The proteins present along with carbohydiates in plasma au known as glycoproteins. The proteins membrane of 2 types. They are ,) peripheral proteins) In highard Proteins * They proteins that are loosely anociated with The lipid molecules are business as perispheral Protiens.

d) <u>Flurd</u> Mosale Hodel: .) Dougla illele. * This model was proposed by suger and Necohous 1973. In manufactor with and with a state * It is the widely accepted model now. * This model assumes that there is a coutinous bilayer. of phopholopial molecules quarter ch are embedded globular. * The proteins have been compared to see beigs. flooting su a sea of the phospholopped blayer. * The globular proteins of the membrane are considued to be of 2 different types, extrems a proteins and Putiensic proteins. * The perpheral proteins are soluble and readily dessocrate from the numbrane. * The sutegial proteins are relatively smoluble and d'essociate with difficulty. Jutimie Rockin some all the flow and Alydiof hilic die Barbon head l'pid layu 666996 -> Estinsi c Public

functions " is a hanging in the 1. The plasma memberane is selectively permeable. Et regulates the movement of materials a cross of. 2. plasma membraae provides rigidity and protection to the cell. in travity an amost in 3. Active transport : Active transport requires everygy. Et helps Pu the transport of molecules. 4. pausève tiansport : Tuansport of molecules takes place along the concentration gradient and no energy 5. Endocytosis: Endocytosis is the process by which K Electera of vesicles. Transported suto cells by toomattor 27 include two processes. Second Col 5. phagocytosis: It is the bulk ingestion of solid tood 5. Privo cytosis: 2t refers to the sugestion of flord stpick when the Trade of Verson Service for a prist ray portion of collong and relating of the in the . L'AMOID PAUL by but produt called declations about jupperinto fourier (1944) and many but (1944) and

in in allocially accept,

Anignment - 2 ing I plasma manufallant in - Alatrichy para isto angantration of DND in the chiomosome. * purbosly & was suggested that lover parallel- DNA -Altorone Sibusta are anocioted to Horm the chomats of of a chomorome (Ein, 1966). & Atthough multiple stranded concept has been demonstrate Su many plant species like viera tabo and other, There in also evidence against it to generalize the Concept. * Election microscopic studies have revealed that a alingte long chains of Duter molegule of seem with The protein in anociated in the formation of each * This was confirmed by electrophonenis estudies qu yeast sacchaiomyces cerevisiae. + The single stranded Data is present NO 1 PROVIDENT folded pattern. Pu much coiled * - nomber of models have been put touth to explain The pattern of colling and folding of DNA In the * oue such model called Nucleosome Model proposed by R.D. Konenburg (1974) and named by oudet (19.75) is uneversally accepted.

* These two (2) tuens are fightly held by Hi historie Protein. * The two turns of DATA which wounds the disc, genually contains 146 nitrogenous bose pairs. t The DNA extends as a continuosus thread from one nucleosome to another nucleosome. * The Drip strand connecting the adjacent nucleosomes is called as Linker DNA. * The Linker DNA is genually of 54 nitrogenous base pairs. 215-31722 & thus for nearly every 200 nitro genous base pairs of nucleolides a nucleosome is repeated. Historie +1, +listones Linku. 2 turns of DND. Dring a better of the state polarino.

Soleword Hodel -& In Hetaphase and interphase muchi the much coiled chomation is in the form of fiber which in sorem in drameter. a this fiber comist of closely packed nucleiones. * It areses from the folding of nucleosome containing. chiomatis chain into much more coiled structure coiled structure Called Solenoid Structure. * In the nine (6) nucleosomes per one teur will be 1 Cherrofte * such many closely colled solenoid structures packs CC PP the entire DNA of the chomosome. * 2" this type of packing at no point the Dutes is buried, instead, it is truly exposed all along the entire surface of the disc for genetic expension. * Thus nucleosome seems to be the universal divince to compact the long Dula, which is otherwise just not possible to pack Such long DNA in a small nocleus.

Angament - 3. Aubolin hisodal ale the Storphyse and turkerphane ander 16 22.2 1, ber in cerry 1.5 Complementary geness It can be defined as two as more dominant genes present on seperate g'eneloci, which interact to produce a particular trait, but wither of them Produces the phenotypic trait in the absence of other. Whete Mowers plant (and the in (2) White flower plant. Genetype CC pp CCPP. 10. (4) Gameter -P 2649 CcPp - F. generation Lice Puint Gameter

BUST CPLAT DEPARTE CPOINT OND WORTDER EXPINIT Storchard CCPP CCPP Copp Cc PP and with with rof SP.82 Piuk Piule Pink pink Jours Disson CC PP CCPP Carpour Ccoppulato abiladoux play white this strongs white piuk white -Piuk CCPP CCPp 12 91 Not Devite Cc PP Cc Pp Deni densections, the CP Piuk Pink white white CcPp CCPP Each nucleutide 10,99.00 CCPP CP Thurs their air to surver Piuk white who to 9:7. Ratio. Zach successive nucleolide Lecess 1 9:3:3:1 homizondal plane. when, two white coloured Howers of lathyrus odarates were crossed the F. produced puple flowers. - These pupple individuals of F, when self pollinated produced purple and white in the ratio of 9:7 in - In this the pusple colous of flowers is in alle ghicese two complementary gene c and p, c is responsible dependent ou too one pount with white colour and p is other parent with white colour. for NOD NCADNON S PLAINE COVY