PART-A Q.

ONA stands for Deoxy sibonucleic acid. It stores stores heredibry information. ONA contains four bases which are Adenine (A), Gruanine (Cr), Thymine (T) and Cytosine (C). In a DNA stand Adenine pairs with Thymine and Gruanine pairs with Cytoshie. It is a double stranded helix molecule.

RNA

Adendre (4), brucanine (61), Usacil (4) and cylosine (c).

In a RNA, Adenine pairs with Uracil and Gruaning (6). pairs with cytosine (c).

Proteins are polymers made of amino acids. Allprotiens are made of so-amino acids with arranged in different combinations

1) Primary Profier structure It is a specufic sequence of ammo aciels in a linear chain

2) Secondary Protion & Pructure
If occurs when protion chains coil or fold

Theory Protein shockers

Theory when when two frotien chains john together due to Regroup

Interaction

4) Qualernory Protien Structure
It occurs in watery environment, and proliens become globular.

KONNURI ANIRODONA RA2112704010015 A hormone is a chemical messenger which torgets a sefecific organs or cells in order to stop or stoot an activity. There too types of hormone secretion system in human body ise. Endocrine and Enocrine System. Nortous hormones which are bresent in human body are. Growth hormone, thyroxine hormones adernaline, Insulin, Terboosterone, Estrogen and Progesterone ) NCBI

NCBI slands for National centre for bio lechnological information was created in 1998 as a fort national library of medicine at NIH. This a bubbic dalabases for Problems, Muleus and The DMA and RNA. It provide tools for sequence analysis for Problems, DNA and RNA

2) BRAGET POB

This dolabase for storing structural dala of large biological molecules. PDB stands Probeins data bank which was established 1972 at BML. PDB is useful in solving problems related to moleather biology.

Parts of human brains are

2) Frontal lobe -> responsible for reasoning & planing
3) Porietal lobe -> responsible for back, sense of fouch, pain etc.

4) & ccipital (obe - reportible for vision

5) cerebulum -> responsible for reflexes

6) Tom boral labe - responsible for hearting and memory

PONHUEI AMIRUDOMA PART-B 06 RA2112704010015 sunlight 40 0,1 Calvin cycle. Publisco Enzyme I Phosphoned Lukulose Pyruvane The coroldehyde strack & survoye & glucese a

POMOKI AMIRUDOMA Phole synthesis is process by which light energy is converted that into chemical energy which is later used. The chemical energy is stored in the formal energy is stored in the form of sugar, whoke we At cellular level, the process takes place in all organizes called chloroplast which comform chlorophyll which cotures sunlight Thorosynthesis occurs in two sleps: · Puring Phologynthesis, cooks is absorbed through roots and conton dioxide contens through & formata and is corried to leaves. chlorophy U absorbs seenlight and splits water into hydrogen and onygen. Cord Hydrogen is absord and glucose is produced and onygen is liberaled 6002 HH20 -> COHIBE+ 602 · Hight dependent reaction

In this slage light energy is converted inte ATP and NADPH which are then used in the second phase of blotosyntheses.

· Light in dependent reaction

. In this step sugar molecules are formed, the ATP and NAPPH formed during the light reaction, drive the reaction forward and convert coz inte glucase.

Hewal McLwork.

The information processing inspired by our biological nervous

Systems. It is a long e number of brighty interconnected processing ellments working begeller. Neural Nelworks are configured for a speciafic application suchas battern recognition or data classification

PAZILIZEMOZOIS

ANN is an information processing system that has contain perform character thes in biological nets.

Several Key feature of ANName:

V The processing element receives many signal

2) Signal may be modified by a weight at the recedeling synchare

3) The processing element soms weighted inful

- 4) under ideal conditions, the neurons transmitte a single output
- 5) The outful from a porticular neuron may go to many other neurons

It is used in vorious fields suches stack marked, weather prediction, robotics. and date analysis.