Second terminal Evaluation - 2018-19 Answer key. Biology. Max. Score. 50. 1-d. Gibberellin-Break up of stored food in seed-2. Aqueous bumor. 3. protein coaf 4 c. The antigen of the received blood and antibody of the receiptents blood will react each other. 5. Keratin. Others are related to defense in plants. provide rigidily to the cell wall 6- b and d. Bacterial DNA is used as vectors in genetic engineering. Medicines are extracted from the blood and Milk of "Pharm animals" 7. A synapse is the junction between two beurons or between a neuron and a muscle cell or between aneuron and a gland cell. 8. a. Tuberculosis $\begin{bmatrix} -1 & 2 \\ -1 & \end{bmatrix}$ 2 b. BCG. 9- Gene defect defect in protein synthesis -(protein related to blood clothing) $\begin{bmatrix} -1 \\ -1 \end{bmatrix}$ 2 b. No, It is a genetic disease 10. Injects germs of typhoid into blood Antibodies are formed 4x½= 2 Antibodies destroy palhogen Induced ironunity is sustained. 11- Tears, Saliva, gastric juice, Sebum, ear wax etc. _ 2 - 1/2 2
Tall: dwarf - 1/2] 2 12. a. Tall ness b. Tt x tt gamelis+ D & E

13. a. Genetic engineering b. Stage 1. Restriction endo nuclease - 1/2

" 2. Restriction endo nuclease - 1/2

" 3. Ligase. , 3. Ligase. 14. a. i. Calcitonio ii-Perathormone + + = 1 b. iii - Prevents the wixing of Ca from bones to blood deposits excess blood ca in bones. -1 iv- Reabsorbs Ca from kidneys/ prevents deposition of ca in bones. 15- Brain < Stroke Addiction to nicotion 6×x=3 Lungs < lung cancer | Emphysema.
Bronchitis | Emphysema. Heart / High BP Loss elasticity of erteny. / Loss of functional efficiency of heart 16- a. Ultrasound scanner b. Sphygmomanoneler c. to record electric waves in the brain (d. to get 3:D views of internal organs with computer x-ray, f. To record electric Neves in the heart muscle ~ 6xx=3 e. Stethescope 17. Tissues from wounds degenerale and forms thrombo -Plastin enzyme - In presence of ca ions and vit. k thrombaplastin converts prothrombin to thrombinthrowbin converts fibrinogen to fibrin- Platelets and REC entangle is the fibrin network - 3 18-a.i. 22+Y ii 44+ XY 3+2 = b. Male gamete containing x chromosome and male gamelé containing y chromosome are produced in equal numbers. There fore their chance to unité with female game le is equal. so (3) the sumber of male (44+xx) and that of female (14+xx) is almost equal.

b. X. mpnis Gene action 1
b. X-MRNA Y- vibosome 4+4=1
C. MRNA cauries message for protein & ? 3 Synthesis from DNA to ribosome. & ? 3 - Protein Synthesis takes place in ribosomes.
Synthesis from DNA to ribosome. 2 4 3
- Prodein synthesis takes place in ribosomes
20- <u>A</u> <u>B</u>
Glacicoma. Failure in the reabsorption of aques humor - LASER Treadment
xerophthalmia - Cornea become dry and - Vit. Avien food
Cateract Eye lens become apaque - Lens replacement
6x/2 = 3.
21- A. Bacteria . B contaminted water food
C. Virus D-Mosquilo
E. protozea. F Malana.
G- Filarial worm H- Contact. 8x1/2 = 4 Marks.
22. a. Neutrophil and Monocyle - 4+ 5=1]
b. Basobhit, and Tymphocyte 2+3=1
C. Lumbacule (B-140Phooga)
d Destroy bacteria by desent egrating their cell membrane
cell membrane
- Neutralize the toxin of the antigen & - Stimulate other WBC to destroy pulhagen- 2
사용하다 가게 하는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
23.
23. P T A 5
DI LE GILLO
Sore-
Exclusion of Uracil bucleofide - 1/2
- rect pairing- AT, 29
opposite direction of sugar isoletime 2
Neatness of aragram - 1
Prepared by Muhammed Nok