**ENGLISH EXAMINATION FOR EXCELLENT STUDENTS AT DISTOICT LEVEL**

**SCHOOL YEAR: 2017 – 2018**

**SUBJECT: BIOLOGY IN ENGLISH**

**GRADE 9**

**I. Multiple - choice.**

1. Complementary rule is presented in..................................................

2. The Gene mutation form doesn’t change the Nucleotit ingredient of Gene ......

3. The reproductive form produces many combining variance in organism ............

4. Unit structure of ADN is........................................................

5. One has chromosome 2n= 8. In mitoris of one cell has number Cromatits in the Mid- term is .........................................

6. One ADN molecules has 10 twisted cycle, Total nucleotit of molecule are........

7. In 3 structures ADN, ARN, Protein which is the smallest ? .......................

8. Happening mutation which disappears a pair of nucleotit, that Gene will reduce the linkage of Hidro is ....................................

9. Mutation Gene usually do harm to bodysmutation ....................................

10. A Gene has A =T= 600 nucleotit; G=X= 900 nucleotit. If Mutation Gene happens mutated Gene has A=T= 602 nucleotit, G=X=900nucleotit. What mutation is it?......................................

**II. Essay**

a. If the pigs are born by their parents which mate from many generations. How will the types of Gene in the next generation change and become harmful?

b. Why have people also hifbridized the type of pigs in this way?

**Key**

I. Multiple - choice.

1. The semi self - replication of ADN, the semi summing up of ARN and Protein.

2. Replace pairs of nucleotit .

3. Sexual production.

4. Nucleotit

5. 16

6. 200

7. Protein.

8. 2 or 3 linkages

9. Disorder processing of summing up protein

10. More 2 pairs of A-T

II. Essay

a.

- The rate of gene form in next generation will change in direction in the rate of homozygous gene and reduce the rate of zygote gene form.

- Being harmful recessive gene which are harmful is brought to homozygote,so mating nearly can be come degenerate breed.

b.

- Be able to bring useful gene to the homozygous and delete the harmful genes.

- Create thorough bred current in order to make the high quality of hybrid.

**--------------------The end--------------------**

**By: - Luong Thuy Huong - Quang Phuc school.**

**- Pham Thi Dinh - Quang Phuc school.**

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