

**TTHIRUVANANTHAPURAM EDUCATIONAL DISTRICT**

**STANDARD X**

**BIOLOGY (ANSWER KEY )**

BWS 7 X

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- 1**    a) **A. Anterior lobe of pituitary gland**  
          **B . Posterior lobe of pituitary gland**  
      b) **Anterior lobe of Pituitary gland**  
      c) **TSH, ACTH, GTH**  
      d) **Growth hormone (Somatotropin) regulates the growth of the body**  
          **Prolactin helps in the production of milk**
- 2**    a) **Yes.**  
      b)  
          **A. Posterior lobe of the pituitary gland**  
          **C. Vasopressin or ADH**  
          **D. Facilitates child birth by stimulating the contraction of smooth**  
          **muscles in the uterine wall, Facilitates lactation**  
  
          **E. Helps in the reabsorption of water from kidneys**
- 3.**  
      **A. Releasing hormones**  
      **B. Inhibitory hormones**  
      **C .Inhibits the secretion of tropic hormones .**  
      **D. Thyroid gland**  
      **E. Adrenal cortex**  
      **F. Gonads**

4.

A. Gigantism

B. Excess production of somatotropin during the growth phase

C. Lower production of somatotropin during the growth phase.

D. Acromegaly

E. It is characterised by the growth of the bones on the face jaws and fingers due to the over production of somatotropin after the growth phase.

5.

a) ADH (Anti Diuretic Hormone )or Vasopressin

b). Reabsorption of water in the kidneys. The production of vasopressin is high in the summer season during which water loss is excessive through sweat. But its production is less during the winter and rainy season.

A. Decreases

B. Decreases

C. Increases

D. Lowers the quantity of urine.

6. i. Anti Diuretic Hormone – Vasopressin .

ii. Diabetes insipidus

iii. Reabsorption of water in the kidneys decreases,

Excess elimination of water through urine.

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