**Question 37 (8 marks)**

a) (2 marks)

**Posterior pituitary is made up of neural tissue/neurons/axons and terminals (1)**

**Anterior pituitary is glandular/groups of cells producing and secreting hormones (1)**

**OR AP produces and secretes hormones of its own making whereas PP stores and then secretes hormones made by the hypothalamus**

b) (2 marks)

**Antidiuretic hormone (1)**

**Oxytocin (1)**

c) (4 marks)

**Hypothalamus produces/synthesises the 2 hormones (1)**

**Hormones are moved down nerve extensions (in infundibulum) (1)**

**Stored in the axon terminals in posterior pituitary (1)**

**Nerve impulses from hypothalamus trigger hormone release (1)**

**OR hypothalamus neurosecretory cells produce ADH and oxytocin (1)**

**These hormones move through axons into the pituitary gland (1)**

**where they are stored in axon endings (1)**

**nerve impulses from the hypothalamus trigger their release (1)**

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