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**Midterm exam - Endocrine & reproductive systems**  
**Sem 4 - 2024/2025 - Sunday, 4th of may - 10:00AM to 10:45AM**

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## MCQs

1. What is the embryological origin of the neurohypophysis?

**Answer: infundibulum**

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2. Which statement about annular pancreas is correct?

**Answer: It results from fusion of the ventral pancreatic bud around the duodenum.**

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3. Which nerve accompanies the superior thyroid artery?

**Answer: External laryngeal nerve**

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4. What is one of the extra renal actions of antidiuretic hormone (ADH)?

**Answer: Coronary vasoconstriction**

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5. Which of the following inhibits growth hormone (GH) secretion?

**Answer: Obesity**

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6. Which hormone inhibits luteinizing hormone (LH) secretion?

**Answer: Prolactin**

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7. What is the mechanism of action of perchlorate?

**Answer: Inhibits iodide uptake**

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8. Which of the following is a typical feature of cretinism?

**Answer: Macroglossia**

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9. Which hormone is active when blood glucose level drops to 50 mg/dL?

**Answer: Adrenaline**

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10. In Which of the following describes the renal action of cortisol?

**Answer: Weak mineralocorticoid effect**

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11. What is the primary regulator of catecholamine secretion?

**Answer: Medulla oblongata**

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12. Which of the following inhibits osteoblast activity?

**Answer: Glucocorticoids**

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13. Which of the following is NOT secreted by basophils of the anterior pituitary?

**Answer: Growth hormone**

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14. What characterizes an oxyphil cell?

**Answer: Dense stained nucleus with acidophilic cytoplasm**



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### MCQs

15. Which pancreatic cell releases inhibitors to insulin and glucagon?

**Answer: Delta cells**

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16. What is Sheehan's syndrome?

**Answer: pituitary necrosis**

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17. Which condition is characterized by Hurthle cells and lymphoplasmacytic infiltration?

**Answer: Hashimoto thyroiditis**

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18. Which thyroid cancer most commonly spreads to cervical lymph nodes?

**Answer: Papillary carcinoma**

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19. A 42-year-old woman recently diagnosed with SLE started a treatment with a high daily dose of prednisone. The woman had a history of type 1 diabetes currently controlled with two daily administrations of premixed insulin. Which of the following changes in the patient's antidiabetic regimen should be made at this time?

**Answer: Increase the daily insulin dosage.**

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20. A woman was taking PTU during the last 3 months but discontinued due to neutropenia, which long-term management drug in this case?

**Answer: Methimazole**