

## Unit 26—Medications Used in Treatment of Endocrine Disorders

### Part I—Matching

**Directions.** Using the answer sheet, place the letter of your choice in the appropriate space:

- |                         |                          |
|-------------------------|--------------------------|
| 1. antidiuretic hormone | A. pioglitazone          |
| 2. glucophage           | B. Novolin 70/30         |
| 3. rapid-acting insulin | C. Lantus                |
| 4. premixed insulin     | D. chlorpropamide        |
| 5. long-acting insulin  | E. vasopressin           |
| 6. sulfonylureas        | F. diazoxide             |
| 7. Diabinese            | G. metformin             |
| 8. Proglycem            | H. rosiglitazone maleate |
| 9. Avandia              | I. Humalog               |
| 10. Actos               | J. oral hypoglycemics    |

### Part II—Completion

11. List three actions of insulin.
- a) \_\_\_\_\_
  - b) \_\_\_\_\_
  - c) \_\_\_\_\_
12. List five possible causes for an improperly functioning pituitary gland.
- a) \_\_\_\_\_
  - b) \_\_\_\_\_
  - c) \_\_\_\_\_
  - d) \_\_\_\_\_
  - e) \_\_\_\_\_
13. \_\_\_\_\_ inhibit the synthesis of thyroid hormones by decreasing iodine use in the manufacturing of thyroglobulin and iodothyronine.

### Part III—Multiple Choice

**Directions.** Select the best answer to each multiple-choice question, and write the appropriate letter on the answer sheet:

14. Diabetes insipidus occurs with the underproduction or absence of the hormone \_\_\_\_\_.
- a) thyroxine
  - b) vasopressin
  - c) parathormone
  - d) adrenocorticotropic
15. Parathormone increases the levels of \_\_\_\_\_ and \_\_\_\_\_ in the body.
- a) sodium, chloride
  - b) calcium, phosphorus
  - c) magnesium, phosphorus
  - d) calcium, sodium
16. Novolin 70/30 insulin's onset of action is \_\_\_\_\_ hour(s).
- a) 1 to 1.5
  - b) 2 to 2.5
  - c) 4 to 8
  - d) 30 minutes
17. The duration of action of Novolog is \_\_\_\_\_.
- a) 1 to 3 hours
  - b) 3 to 5 hours
  - c) 2 to 4 hours
  - d) 2 to 5 hours
18. All of the following are rapid acting insulins, except \_\_\_\_\_.
- a) Lantus
  - b) Humalog
  - c) Novolog
  - d) Apidra
19. The symptoms of hypoglycemia include \_\_\_\_\_.
- a) tremors
  - b) sweating
  - c) hot and dry skin
  - d) a and b

20. The symptoms of hyperglycemia include \_\_\_\_\_.
- a) hot and dry skin
  - b) fruity breath odor
  - c) rapid and weak pulse
  - d) all of these
21. Two hormones stored and secreted by the thyroid gland are \_\_\_\_\_.
- a) thyroxine and vasopressin
  - b) thyroxine and triiodothyronine
  - c) triiodothyronine and vasopressin
  - d) parathormone and vasopressin
22. The usual oral adult dosage of methimazole (Tapazole) is \_\_\_\_\_.
- a) 300 mg/day
  - b) 50 to 100 mcg/day
  - c) 15 to 30 mg daily
  - d) 15 to 60 mg in divided doses every 6 hours, then 5 to 15 mg daily
23. The adrenal medulla synthesizes, stores, and secretes \_\_\_\_\_.
- a) dopamine, epinephrine, and norepinephrine
  - b) glucocorticoids, mineralocorticoids, and androgens
  - c) parathormone
  - d) thyroxine
24. \_\_\_\_\_ is a complex disorder of carbohydrate metabolism.
- a) Diabetes insipidus
  - b) Diabetes mellitus
  - c) Grave's disease
  - d) Addison's disease
25. The usual dosage of chlorpropamide (Diabinese) is \_\_\_\_\_.
- a) 250 mg to 1.5 g daily
  - b) 100 to 1000 mg/day
  - c) 100 to 500 mg once daily
  - d) 1 to 2 g/day