Endocrine system

1. The pancreas secretes______hormones into the digestive tract.
2. Insulin is produced by _____cells in pancreas.
3. Glucagon is produced by_______cells in pancreas.
4. Insulin causes_____in blood glucose levels.
5. Epinephrine is secreted by______.
6. Corticosteroids are secreted by ________.
7. Parathyroid hormone increase blood concentration of______.
8. Antagonistic action for parathyroid hormone is shown by ________.
9. A protein based hormone which can exhibit direct DNA effect is ________.
10. The most important second messengers are ________.
11. Uterine contraction during childbirth is regulated by__________.
12. Hyper secretion of thyroid hormone cause ________.
13. Proopiomelanocortin is secreted by ________.
14. Master endocrine gland is ________.
15. Pituitary gland secrets ______tropic hormones.
16. Active uptake of iodide ions involves the usage of_______.
17. Goitre is cause due to_____secretion of______.
18. Somatedins are also called as__________.
19. Myxedama is due to__________.
20. Cushings syndrome is due to__________.
21. The other name of antidiuretic hormone is__________.
22. The secretion of adenohypophyseal hormones is under the control of_______.
23. Addison’s disease is due to_______.
24. ________is both an exocrine and an endocrine gland.
25. Anterior lobe of pituitary is called ________.
26. Posterior lobe of pituitary is called ________.
27. Cretinism is due to __________.
28. Acromegaly is due to __________.
29. All enzymes are proteins, but all hormones are _____or______.
30. Breakdown of puppy fat is by __________.

**Match the following: Choose all that apply (Section I)**

a. The pancreas secretes____and____. 1. Parathyroid hormone
b. Adrenal cortex secretes____and__. 2. Thyroid stim. Hormone
c. Anterior pituitary secretes__, __and__. 3. Epinephrine
d. Thyroid gland secrets __ 4. Growth hormone.
e. Parathyroid secretes__ 5. Insulin
f. Posterior pituitary secretes __ and __. 6. Thyroid hormone
g. Adrenal medulla secrets____and ____ 7. Mineral corticoids

**Match the following: choose all that apply (Section II)**

<table>
<thead>
<tr>
<th>Hormone</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Parathyroid hormone__</td>
<td>1. Increase body metabolic rate</td>
</tr>
<tr>
<td>b. Thyroid stim. Hormone____</td>
<td>2. Cause milk secretion</td>
</tr>
<tr>
<td>c. Growth hormone_____</td>
<td>3. Increase blood glucose levels</td>
</tr>
<tr>
<td>d. Insulin____</td>
<td>4. Increase blood calcium levels.</td>
</tr>
<tr>
<td>e. Thyroid Hormone________</td>
<td>5. Increase re-absorption of Na and water</td>
</tr>
<tr>
<td>f. Mineral corticoids____</td>
<td>6. Decrease blood glucose levels</td>
</tr>
<tr>
<td>g. Prolactin_</td>
<td>7. Cause uterus to contact</td>
</tr>
<tr>
<td>h. ACTH __</td>
<td>8. Stimulates thyroid gland</td>
</tr>
<tr>
<td>i. Glucocorticoids_</td>
<td>9. Causes kidney to withhold water</td>
</tr>
<tr>
<td>j. Oxytocin____</td>
<td>10. Stimulates bone and muscles growth</td>
</tr>
<tr>
<td>k. Vasopressin _____</td>
<td>11. Stimulates the adrenal cortex</td>
</tr>
<tr>
<td>l. Glucagon __________</td>
<td></td>
</tr>
<tr>
<td>m. Epinephrine __________</td>
<td></td>
</tr>
<tr>
<td>n. Norepinephrine__</td>
<td></td>
</tr>
</tbody>
</table>
Homeostasis - Answers
1. homeostasis
2. negative
3. negative
4. positive
5. positive
6. Walter Cannon
7. receptor, control center, effector
8. stimulus
9. afferent
10. efferent
11. negative
12. insulin
13. glucagons
14. cascades
15. positive
16. homeostatic imbalance

Endocrine System - Answers
1. insulin, glucagon, somatostatin, amylase
2. beta
3. alpha
4. decrease
5. adrenal medulla
6. cortex
7. calcium
8. calcitonin
9. thyroxine
10. calcium and camp
11. oxytocin
12. Graves disease
13. Adenohypophysis
14. Hypothalamus
15. 4
16. ATP
17. decreased, thyroxine
18. Insulin-like growth factors
19. hypothyroidism
20. excess cortisone
21. Vasopressin
22. hypothalamus
23. low glucose
24. pancreas
25. adenohypophysis
26. neurohypophysis
27. hypothyroidism
28. hypersecretion of growth hormone
29. proteins, steroids
30. growth hormone

Match the following (Section I):
   a. 5,13
   b. 7,10
   c. 2, 4, 9
   d. 6
   e. 1
   f. 11, 12
   g. 3, 8

Match the following (Section II):
   a. 4
   b. 8
   c. 1,10
   d. 6
   e. 1
   f. 5
   g. 2
   h. 11
   i. 3
   j. 7
   k. 9
   l. 3
   m. 1, 3
   n. 1, 3

**Digestive System - Answers**
1. Teeth, tongue, gallbladder salivary glands, liver, pancreas.
2. Peristalsis.
3. Segmentation
4. Catabolism
5. Defecation
6. Pancreas, large intestine, anal canal, duodenum
7. Peritonitis
8. Splanchnic
9. Mucosa, submucosa,muscularas,serosa.
10. Lamina Propria
11. Mucosa
12. Muscularis externa
13. myenteric plexus
14. serosa
15. adventia
16. Retroperitoneal
17. Oral, buccal
18. Oral orifice