

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous). Rajkot
Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION NOVEMBER – 2017

B.Voc. Medical Laboratory & Molecular Diagnostic Technology

MLMDT 3.2 - ENDOCRINOLOGY, TUMOR & CANCER MARKERS

Duration of Exam – 2.30 hrs

Semester – III

Max. Marks – 70

Que. 1 Answer the following Questions

[20]

1. What is autocrine signaling?
2. What is difference between hormone and autacoids?
3. What are monoamines?
4. Enlist the major hormones secreted by pancreas.
5. Define Interferon
6. What is Biological Cycle?
7. What are the various parts of pituitary gland?
8. Enlist the name of cells in the pancreas.
9. What is diabetes mellitus?
10. What is polydipsia and polyphagia?
11. What are Prostaglandins?
12. What are androgens?
13. What are limbic systems?
14. What are the functions of Oxytocin?
15. What is oncogene?
16. Enlist the name of Gonad Hormones.
17. What are the functions of CCK?
18. What is Nelson's Syndrome?
19. What is Acromegaly and Gigantism?
20. Why FSH & LH are necessary for women?

Que. 2 (A) – Answer the following Questions (Any Three)

[06]

1. What is glycemic index?
2. Define and Characteristics of Endocrine, Exocrine and Paracrine glands.
3. Enlist Pituitary hormones and their functions.
4. How body temperature is regulated in our body?
5. Write down various functions of hypothalamus.
6. What is the difference between Hormones and Autacoids?

Que. 2 (B) Answer the following Questions (Any Three)

[09]

1. Enlist the functions of GH
2. Enlist the functions of insulin.
3. Write the functions' of Hypothalamus?
4. Enlist the various properties of hormone.
5. Enlist the functions of glucagon.
6. Enlist the functions of Gastrin and CCK.

Que. 2 (C) Answer the following Questions (Any Two)

[10]

1. Write a note on anatomy of pancreas.
2. Write a note on pathophysiology of diabetes mellitus.
3. Write a note on Functions and regulation of Secretin.
4. Write a note on pineal gland.
5. Write a note on anatomy of hypothalamus.

Que. 3 (A) – Answer the following Questions (Any Three)

[06]

1. Give two differences between Type I and Type II diabetes.
2. What are the functions of gastrointestinal hormones?
3. What is Somatostatin?
4. Write down various functions of estrogen.
5. Write down various functions of progesterone.
6. Enlist the name of Posterior pituitary hormones and their functions.

Que. 3 (B) Answer the following Questions (Any Three)

[09]

1. Enlist the functions of Dopamine
2. What is HCG? What is the high & low value of HCG? Write a detailed note on Testosterone hormone.
3. Enlist the endocrine hormones which are regulated by hypothalamus.
4. Define Pheromones and Prostaglandins
5. Enlist the functions of insulin and glucagon.
6. Write down the functions of limbic system.

Que. 3 (C) Answer the following Questions (Any Two)

[10]

1. Write a note on Male and female reproductive hormones.
2. Write a note on Tumor Markers.
3. Discuss Pathophysiology of the thyroid hormones.
4. Write a note on Human chorionic gonadotropin.
5. Write a note on Mechanism of action of Oncogenes.