



MAK-003-038302

Seat No. _____

B. Voc. (MLMDT) (Sem. III) (CBCS) Examination

October / November – 2016

**MLMDT-3.2 : Endocrinology, Tumor &
Cancer Markers**

Faculty Code : 003

Subject Code : 038302

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Give answers in one sentence only : **20×1=20**

- (1) What are limbic systems?
- (2) What is Biological Cycle?
- (3) What is the function of vasopressin?
- (4) Write the full name of LTH and MSH hormone?
- (5) Name the parts of the pituitary gland.
- (6) What is the active form of thyroid hormone?
- (7) Where is T3 produced?
- (8) What is the average PTH level in blood?
- (9) Name the steroid hormones produced by adrenal gland.
- (10) What is the role of ACTH?
- (11) Which sex hormones are produced by adrenal gland?
- (12) What is hypoglycemia?
- (13) Enlist the names of cells in the pancreas.
- (14) What is polydipsia and polyphagia?
- (15) Enlist the placental hormones.
- (16) Name the naturally occurring androgens in male.
- (17) Enlist any two pituitary gonadotropins.
- (18) What is oncogene?
- (19) Give example of oncogenic virus?
- (20) What is chromosomal translocation?

2 (a) Answer any three of the following questions : $2 \times 3 = 6$

- (1) Write characteristics of Endocrine glands.
- (2) Enlist the name of Posterior pituitary hormones and their functions.
- (3) Write down various physiologic functions of the Thyroid Hormones.
- (4) What is the common cause of Cushing's syndrome?
- (5) Give example of hormone used as tumor marker with example.
- (6) Define Interferon.

(b) Answer any three of the following questions : $3 \times 3 = 9$

- (1) Write a note on Chemical nature of Hormones.
- (2) What are the functions of gastrointestinal hormones?
- (3) Give the name and source of female reproductive hormones.
- (4) Write clinical application of tumor marker.
- (5) What biochemical changes are found in cancer cells?
- (6) How cancer tumor differs from benign tumor?

(c) Answer any two of the following questions : $5 \times 2 = 10$

- (1) Write a note on anatomy of Pituitary gland.
- (2) Discuss in detail about goitre.
- (3) Write a note on corticoid hormones of adrenal gland.
- (4) Give the role of pancreas as endocrine gland.
- (5) With well labelled diagram explain in short about male reproductive system.

- 3 (a) Answer any three of the following questions : **2×3=6**
- (1) What is the difference between Hormones and Autacoids.
 - (2) What is gonadotrophin-releasing hormone?
 - (3) Note down the various reasons for hyperthyroidism.
 - (4) Write down various functions of epinephrine and norepinephrine.
 - (5) What are oncofetal antigens?
 - (6) What are Prostaglandins?
- (b) Answer any three of the following questions : **3×3=9**
- (1) Enlist the Properties of Hormone.
 - (2) What is the difference between insulin and glucagon?
 - (3) Discuss the factors influencing spermatogenesis.
 - (4) What are the major causes of cancer?
 - (5) What are the important properties of cancer cell?
 - (6) Give the major symptoms of diabetes mellitus?
- (c) Answer any two of the following questions : **5×2=10**
- (1) How body temperature is regulated in our body?
 - (2) Write a note on Thyroid Stimulating Hormone.
 - (3) Write a note on hormones of adrenal medulla.
 - (4) Write metabolic role of insulin.
 - (5) Discuss in detail about estrogens.
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