

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc., Summer 2017-18 Examination

Semester: 5**Subject Code: 11103302****Subject Name: Endocrinology****Date: 24-05-2018****Time: 02:00PM to 04:30PM****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 Explain structure, hormones and functions of Pituitary gland
- Q.1. B) Answer the following questions (Any two)**
- (a) Short note: Thyroid gland (04)
- (b) Explain classes of hormones with example (04)
- (c) Short note: Feedback loops (04)
- Q.2. A) Answer the following questions.**
- (a) Explain mechanism of steroid hormone action (04)
- (b) Which are the risk factors of steroids for athletes? (04)
- Q.2. B) Answer the following questions (Any two)**
- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
1. Define: Hormone
 2. Regulation of FSH done by which hormone?
 3. What is function of MSH?
- (b) Short note: Diabetes (03)
- (c) Short note: Adrenal gland (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 Explain steroid hormone synthesis
- Q.3. B) Answer the following questions (Any two)**
- (a) What are free-martins? Explain. (04)
- (b) Short note: Glucocorticoids (04)
- (c) Explain functions of FSH and Testosterone. (04)
- Q.4. A) Answer the following questions.**
- (a) Short note: Stress Hormones (04)
- (b) Short note: Structure of Hypothalamus (04)
- Q.4. B) Answer the following questions (Any two)**
- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
1. Who is known as Father of endocrinology?
 2. The endocrine system works together with the _____ system to maintain the body's equilibrium?

(A) Digestive system	(B) Nervous system
(C) Respiratory system	(D) Reproductive system
 3. Disorder in which thyroid gland enlarges is classified as

(A) Parathyroidism	(B) Hypothyroidism
(C) Hyperthyroidism	(D) Goiter
- (b) Short note: Pineal gland (03)
- (c) Write functions of ADH (03)