

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc. Summer 2018 - 19 Examination

Semester: 4
Subject Code: 11203251
Subject Name: Clinical Biochemistry

Date: 01/04/2019
Time: 2:00 to 4:30pm
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)**
 (a) Enlist gastrointestinal hormones . Explain one of them.
 (b) Explain role of liver in drug metabolism.
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Erythropoiesis
 2. Renin
 (b) Write a note on properties of plasma proteins. (04)
 (c) Explain biosynthesis of androgens. OR Short note: Clinical markers and its importance (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Acidosis or Alkalosis
 2. Hepatitis and its types
 (b) Explain Thyroidism. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Explain blood born disorders (03)
 (b) Write a note on hypoglycemia. (03)
 (c) Write a brief note on cancer. (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Explain hormonal regulation of menstrual cycle.
 (b) Write a note on any liver disease.
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Nephritis.
 2. Glucose tolerance test
 (b) Explain synthesis and secretion of neuro-hypophysial hormones. OR short note on Insulin (04)
 (c) Write a note on tests for evaluation of adrenal functions? Or short note on Pituitary Hormone (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Hypothyroidism
 2. Hyperthyroidism
 (b) Explain regulation of secretion of glucagon or Explain Diabetes (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 1. Write a note of Anemia. (03)
 2. Explain Significance of liver function tests. (03)
 3. Discuss clinical chemistry of new born in brief. (03)