

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
SCHOOL OF PHARMACY
1st YEAR DIPLOMA PHARMACY

THIRD THEORY SESSIONAL EXAMINATION 2019-20

Subject Name: Biochemistry and clinical pathology

Subject Code: 08600104

Time: 10:30 am to 11:30 am

Date: 12/03/2020

Total Marks: 20

Instructions:

1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.

Q.1 Multiple Choice Question

(07)

- (1) Cobalt involved in vitamin.....
(a) B12 (b) B6 (c) B2 (d) B1
- (2) Oxidation of one molecule of glucose yields ATP.
(a) 30 (b) 32 (c) 34 (d) 36
- (3) In glycolysis glucose is converted into in presence of oxygen.
(a) lactate (b) pyruvate (c) none (d) both
- (4) It is bone marrow cancer in which abnormal WBC multiply uncontrollably.
(a) leukocytosis (b) lymphocytosis (c) leukemia (d) leucopenia
- (5) In born error of protein metabolism is
(a) Hyper ammonemia (b) alkaptonuria (c) phenylketonuria (d) all of above
- (6) is the alternative pathway for glycolysis and krebs cycle for oxidation of glucose.
(a) glycogenesis (b) glycogenolysis (c) HMP shunt (d) gluconeogenesis
- (7) Element which required for biosynthesis of thyroxine hormone in thyroid gland.
(a) potassium (b) chloride (c) fluoride (d) iodine

Q.2 Long Answer (any one)

(05)

- (1) Describe crebs cycle in detail and calculate its energetic.
- (2) Write biochemical functions and deficiency symptoms of iron and calcium.

Q.3 Short Answers (any four)

(08)

- (1) Steps involved in urea cycle.
- (2) Write a note on abnormal constituents of urine and their significance.
- (3) Explain different types of anemia.
- (4) Write in brief about beta oxidation of fatty acid.
- (5) Discuss ketone body formation.
- (6) Write about general reaction of protein metabolism.