

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
SCHOOL OF PHARMACY

1st YEAR DIPLOMA PHARMACY

SECOND SESSIONAL THEORY EXAMINATION 2019-20

Subject Name: Biochemistry and clinical pathology

Subject Code: 08600104

Time: 10:00 am to 11:00 am

Date: 24/12/2019

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) Histidine is _____ type of amino acid.
(a) acidic (b) basic (c) aliphatic (d) imino
- (2) Example of sulphur containing amino acid is _____ .
(a) cysteine (b) methionine (c) both (d) none
- (3) Protein present in Hair is _____ .
(a) keratine (b) haemoglobin (c) mayosin (d) actine
- (4) _____ enzyme catalyse the formation of bond .
(a)hydrolase (b) ligase (c) lyase (d) isomerase
- (5) In _____ type of inhibition the inhibitors have a structural similarity with the substrate.
(a)compitative (b) non compitative (c) allosteric (d) none
- (6) FAD & FMN are active forms of vitamin _____ .
(a) biotin (b) riboflavin (c) nicotinic acid (d) folic acid
- (7) Deficiency of vitamin D cause _____ .
(a) rickets (b) scurvy (c) beri beri (d) anaemia

Q.2 Long Answer (any one)

(05)

- (1) Define enzyme and write factors affecting enzyme activity in detail.
- (2) Brief chemistry, role and deficiency symptoms of vitamin A and vitamin B12.

Q.3 Short Answers (any four)

(08)

- (1) Enlist different classes of amino acids with examples.
- (2) What are the biological function of protein .
- (3) Write any two chemical properties of amino acids.
- (4) Explain lock and key model.
- (5) Write classification of enzyme .
- (6) Write a short note on vitamin K.