

PHB Sample Paper

Session: 2022 – 23

Course: D. Pharm IIInd Year

Subject: BIOCHEMISTRY & CLINICAL PATHOLOGY

Exam: IIInd Sessional Question Paper- 1

Attempt all the questions:

(Section: A)

Very short answer type questions:

[5]

1. Give two liver function tests.
2. Give the daily requirement and dietary source of calcium.
3. Give the three roles of coenzymes.
4. Write any three function of DNA.
5. Define – (i) Blood coagulation
(ii) Lymphocytes

Fill in the blank:

[5]

1. The process of DNA replication is affected by an enzyme known as
2.is a water – soluble vitamin.
3. Normal human blood plasma potassium level is
4. Types of A blood group consist of antibodies for
5. The removal of amino group is called as

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. Briefly discuss the structure and function of DNA and RNA.
2. Briefly discuss the chemical nature of vitamins.
3. Difference between nucleotides and nucleosides.
4. Classify WBC and mention disease related to WBC.
5. Discuss the carbohydrates, lipids and protein metabolism.
6. Write note on: (i) Macrominerals
(ii) Calcium deficiency disease
(iii) fluorine

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Discuss the coenzyme and its classification.
2. Discuss the importance of calcium and fluorine in relation to human body.
3. Briefly discuss about the liver function and its functional tests.
4. Briefly explain abnormal constituent of urine and their significance.