

PHB Sample Paper

Session: 2022 – 23

Course: D. Pharm IIInd Year

Subject: BIOCHEMISTRY & CLINICAL PATHOLOGY

Exam: IIInd Sessional Question Paper- 2

Attempt all the questions:

(Section: A)

Very short answer type questions:

[5]

1. Which type of coiling occurs in DNA?
2. How much approximately amount of cobalt is eliminated per day through urine?
3. Which is the first vaccine approved for avian flu?
4. Which is the functional unit of kidney?
5. Write the normal range of creatinine for males.

Fill in the blank:

[5]

1. Formation of WBC is known as.....
2. Vitamin essential for blood clotting is
3. Each molecule of adult haemoglobin consists of
4. In tissue culture technique was developed.
5. is often named as the silent nutrient of the body.

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. What are the differences between DNA and RNA.
2. Give structure, biochemical role and deficiency disease of pyridoxine.
3. Give the components of nucleotides and nucleosides.
4. Write any two examples of essential minerals.
5. Write three functions of the following:
(i) Copper (ii) Chloride (iii) Sulphur
6. Write short note on:
(i) Classification of vitamins.
(ii) Source and function of vitamins
(iii) Coenzymes with examples

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Give brief note on pathological test of blood. Write detailed note on platelet and also mention various function of blood.
2. Describe the kidney function tests and their clinical significance.
3. Explain the cause and symptoms of the disease related to deficiency and excess of minerals.
4. Briefly explain the role, source and deficiency disease of each vitamins.