

PHB Sample Paper - 2

D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2022 - 23
(BIOCHEMISTRY & CLINICAL PATHOLOGY)

Time: 02 Hrs

Maximum Marks: 40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complaints in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Q. A Very short answer type questions: (5)

1. What is gene therapy?
2. Who cracked the genetic code?
3. NAD stands for:
4. What ORS?
5. Where does gluconeogenesis take place?

Q. B Fill in the blank: (5)

6. Krebs cycle is an aerobic process and that occurs in _____ in eukaryotes.
7. _____ is often named as the silent nutrient of the body.
8. The scientific name of vitamin A is _____.
9. The monomer unit of glycogen is _____.
10. Polysaccharides are formed by _____.

(Section: B)

Q. C Short Answer Type Questions: (Attempt any five) (5 × 3 = 15)

1. Explain the chemical nature of vitamins.
2. Explain about citric acid cycle.
3. What are coenzymes? Gives any two examples.
4. Explain the source and properties of water.
5. Explain the biological role of DNA and RNA.
6. Write short on:
 - a) Dehydration
 - b) Cholesterol
 - c) Biotechnology

(Section: C)

Q. D Long Answer Type Questions: (Attempt any three)

(5 × 3 = 15)

1. Briefly discuss about the liver function and its function test.
2. Briefly explain the qualitative test of proteins.
3. Write a detailed note on classification, chemical nature, and qualitative test of carbohydrates.
4. Explain the cause and symptoms of the diseases related to deficiency and excess of minerals.