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Annual Examination, 2022-2023 (Modal Paper)

Course Name: PHARMA

Year: FIRST YEAR

Branch: Pharm.D

Subject: MEDICINAL BIOCHEMISTRY

Time: 3 Hours

Max.marks:70

Note: - Attempt all parts.

PART- A

QUESTION NO. 1 TO 15, ATTEMPT ALL QUESTIOS

(15x1=15)

1. Discuss the structure and significance of ATP.
2. Define enzyme specificity.
3. Explain diabetes mellitus and its types.
4. Describe the ketolysis and significance.
5. General information of Nucleotides.
6. Name two inhibitors of ETC.
7. Explain the jaundice.
8. Name any four abnormal urine constituents.
9. List out lipid profile test.
10. Describe acidosis and alkalosis.
11. Full form of HDL cholesterol and LDL cholesterol.
12. Explain radio immuno assay (RIA).
13. Application of electrolytes.
14. Name four metabolic disorder of urea cycle.
15. Discuss the biochemical role of vitamin B12.

(PART -B)

QUESTION NO. 16 TO 18, ATTEMPT ANY 2

(2x10=20)

16. What are enzyme inhibitor and its types?
17. Layout of HMP shunt.
18. Brief introduction about enzyme and list out the factors affecting enzyme activity.

(PART-C)

QUESTION NO. 19 TO 27, ATTEMPT ANY 7

(5x7=35)

19. Describe Genetic code.
20. Explain Immunochemical test (any one)
21. Illustrate Significance of uncoupling.
22. Discuss Hormonal regulation of lipid metabolism.
23. Summarize short note on Atherosclerosis.
24. Discuss the conversion of cholesterol into bile acid.
25. How the diabetes mellitus affecting whole world.
26. Importance active transport with example.
27. Summarize the reaction of urea cycle.