



Rajiv Gandhi University of Health Sciences, Karnataka I Year Pharm-D Examination - 06-Jan-2020

Time: Three Hours**Max. Marks: 70 Marks****MEDICINAL BIOCHEMISTRY (RS & RS2)****Q.P. CODE: 2853**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. Explain in detail common oxidative metabolic pathway to bio-molecules with its energetic and significance.
2. Explain in detail electron transport chain.
3. Describe in detail protein synthesis.

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Write the cycle for synthesis of glucose from non-carbohydrate source.
5. Explain urea cycle with its significance.
6. Explain cAMP and its significance.
7. Enumerate the kidney functions tests and explain urea clearance test.
8. Write a note on chemiosmotic coupling.
9. Explain biosynthesis of pyrimidines.
10. Explain enzyme inhibition with examples.
11. Write a short note on fatty liver.

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Amphibolic role of TCA cycle.
13. Cytochromes.
14. Hypercholesterolemia.
15. Normal values of glucose and creatinine in blood.
16. Applications of radio immune assay.
17. Albinism.
18. Role of cholesterol.
19. Isoenzymes with examples.
20. Lipid profile.
21. Bile pigments.

