

www.FirstRanker.com

www.FirstRanker.com

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination - APRIL- 019

Time Three Hours

BIOCHEMISTRY (RS-5) Q.P. CODE: 2733

Your answers should be specific to the questions asked Draw neat, labeled diagrams wherever necessary LONG ESSAYS (Answer any Two)

 $2 \times 10 = 20 \text{ Marks}$

Max. Marks: 80 Marks

- 1. Describe in detail the tricarboxylic acid cycle and the energy production. Add a note on its amphiballc role.
- 2. Classify amino acids with examples. Mention Chemical properties of amino acids.
- 3. Describe In detail the sources, absorption, functions and factors regulating blood calcium level. Discuss deficiency manifestations of calcium,

SHORT ESSAYS (Answer any Eight)

 $8 \times S = 40 \text{ Marks}$

- 4. ERNA
- 5. Classify enzymes imth suitable eKamples.
- 6, Wald's visual cycle
- 7. Active form of vitamin D and its blothrriial role
- 8. Digestion and absorption of carbohydrates
- 9. Phenylketonureia
- 10. Glycogen synthesi
- 11_ Renal regulation of blood
- 12. Isoenzlirmes and their clinical significance
- 13. Phospholipids

SHORT ANSWERS $10 \times 2 = 20 \text{ Marks}$

- 14. Name the serum electrolytes and gEve their normal values.
- 15. Mention the hormones involved In blood glucose level regulation.
- 16. What are dietary fibers? Write two examples.
- 17. Calorific value 18 Mention two causes for: 1. Respiratory

acidosis 2. Metabolic addosis. 19. Chargif 's rule

Isoelectric PSI

- 21. Essential fatty acids
- 22. KM value and its significance
- 23. IDalegra