



Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (M.L.T) Degree Examination – APRIL 2017

Time: 3 Hours

Max. Marks: 40 Marks

Physiology

Q.P. Code : 1602

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

(Note : Both QP Codes 1602 and 1603 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Describe the stages of Erythropoiesis. Explain the factors regulating erythropoiesis.
2. Enumerate the composition, function and regulation of secretion of pancreatic juice.

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Explain the three phases involved in Deglutition
4. Draw a Spirogram. Write the normal values for the different lung volumes and capacities.
5. State their functions of thyroid gland.
6. Define micturition. Draw a labeled diagram of micturition reflex
7. Describe the changes taking place during the menstrual cycle with their hormonal basis

SHORT ANSWERS

5 x 2 = 10 Marks

8. Define saltatory conduction.
9. Draw the ECG waves and mention their causes.
10. Define GFR and give its normal value.
11. Tetany.
12. What is a synapse?
