

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours

Max. Marks: 50 Marks

Physiology **Q.P. Code: 1747**

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

(Note : Both QP Codes 1746 and 1747 are to be answered within total duration of 3 hours)

LONG ESSAYS (Any one)

1 x 10 = 10 Marks

1. What is Erythropoiesis? Describe the stages and factors influencing it.
2. Describe the molecular basis of skeletal muscle contraction.

SHORT ESSAYS (Any five)

5 x 5 = 25 Marks

3. Draw a normal ECG. Explain the causes of the different waves.
4. Define and classify hypoxia. Describe any two of them.
5. Define Glomerular filtration rate and explain the factors regulating it.
6. Describe the circulation and functions of cerebrospinal fluid.
7. Describe the Visual Pathway.
8. Describe the different phases of action Potential and their ionic basis.
9. Enumerate the actions of insulin. Add a note on Diabetes Mellitus.

SHORT ANSWERS

5 x 3 = 15 Marks

10. Name any four gastrointestinal hormones.
11. List the methods of contraception in males.
12. Draw a neat labeled diagram of a reflex arc.
13. List the functions of oxytocin.
14. Parkinson's disease
