

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – Aug 2013

Time: 3 Hours

Max. Marks: 40 Marks

Physiology

Q.P. Code : 1706

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

(Note : Both QP Codes 1705 and 1706 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Classify leucocytes. Explain the morphology (with neat diagrams) and functions of leucocytes.
2. Describe the phases and hormonal control of menstrual cycle.

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Describe the errors of refraction and their correction.
4. What is ECG? Discuss the various waves in ECG and their significance.
5. Mention the hormones secreted by posterior pituitary gland and describe their physiological actions.
6. Draw a neat, labeled diagram of the innervations of urinary bladder. Explain the process of micturition.
7. Mention the source and chemical nature of surfactant. Explain its functions and the effects of its deficiency.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Explain briefly negative feedback mechanism with an example.
9. Draw the diagram of reflex arc and label its parts.
10. Mention any four functions of testosterone.
11. Name two anticoagulants with their mechanism of action.
12. Name the types of neuroglia. Give one function of each.
