

I Year B.Sc. Nursing (PC) Degree Examination – September 2014

Time: 3 Hours

Max. Marks: 40 Marks

Physiology**Q.P. Code : 1706**

Four 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. Describe Rh blood group system and explain importance of determining Rh blood group in pregnant woman.
2. Name the hormones of pancreas and describe the actions and regulation of secretion of insulin.

SHORT ESSAYS (Answer any Four)**4 x 5 = 20 Marks**

3. Classify the receptors and name the properties of receptors.
4. Describe formation, circulation and composition of Lymph.
5. Write composition and functions of gastric juice.
6. Write neat diagram of Juxta-Glomerular apparatus and enumerate its functions.
7. Describe with neat diagram secretory phase of menstrual cycle.

SHORT ANSWERS**5 x 2 = 10 Marks**

8. Name the receptors of hearing and equilibrium.
9. Define cardiac cycle.
10. List four functions of Leucocytes.
11. Write functions of Neuroglia.
12. Write the different forms in which O₂ is transported from lungs to tissues.
