

I Year B.Sc. Nursing (PC) Degree Examination – Aug / Sep 2011

Time: Three Hours

Max. Marks: 80 Marks

**ANATOMY & PHYSIOLOGY****Q.P. CODE: 1705 & 1706**

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

**Use separate answer books for section A and section B****Q.P. Code: 1705 – Section A – ANATOMY (40 Marks)****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Name the papillae of the tongue. Describe the tongue
2. List the parts of male reproductive system. Describe the prostate

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

3. Gall bladder
4. Appendix
5. Blood supply of heart
6. Sternocleidomastoid muscle
7. Brachial artery

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

8. Name the salivary gland
9. Name the parts of brain
10. Name the spinal nerves
11. Golgi apparatus
12. Name the parts of stomach

**Q.P. Code: 1706 – Section B – PHYSIOLOGY (40 Marks)****Use separate answer book****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Name the blood group systems. Explain the basis for its classification. Add a note on its clinical importance. What are the precautions we must take before blood transfusion, and what are the complications of mismatched blood transfusion
2. Define cardiac output, and cardiac index. Give its normal values. Describe the factors regulating cardiac output

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

3. Draw a spirogram indicating various lung volumes and capacities
4. Explain the movements of small intestine
5. Write briefly about artificial kidney
6. Explain the mechanisms for heat loss and gain by the body
7. Explain briefly reflex arc with the help of a diagram

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

8. Name the muscle of respiration
9. List four functions of stomach
10. What are the functions of Iris
11. Mention any four hormones that increase the blood sugar level
12. List the functions of Oestrogen

\*\*\*\*\*