

I year B.Sc. Nursing (PC) Degree Examination – April 2014

Time: 3 Hours

Max. Marks: 37 Marks

**Biophysics****Q.P. Code : 1740**

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

**(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)****LONG ESSAYS (Answer any One)****1 x 9 = 9 Marks**

1. What is Lever? Describe different types of Levers.
2. What is Equilibrium? Explain various types of Equilibrium.

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

3. What are fundamental and derived units?
4. State Newton's Laws of Motion.
5. Explain the use of heat for sterilization.
6. Write short notes on electro magnetic spectrum.
7. Describe an inclined plane.

**SHORT ANSWERS****4 x 2 = 8 Marks**

8. What is noise pollution?
9. List the visual defects of human eye.
10. What is Traction?
11. Give any two medical applications of radioisotopes.

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