

I year B.Sc. Nursing (PC) Degree Examination – MAY 2016

Time: 3 Hours

Max. Marks: 37 Marks

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

Four 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. Discuss visual defects of human eye.
2. Discuss physiological effects of heat.

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

3. What are scalar and vector quantities?
4. What are density and specific gravity?
5. Write a note on vocalization & hearing.
6. Discuss law of conservation of energy.
7. What are X-rays? How they are produced? Give its uses.

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

8. What is Laser?
9. Give the relation between energy and wavelength.
10. What is systolic and diastolic blood pressure?
11. Convert 1.5 Ton to Kilogram.
