

I year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

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. What is centre of gravity? Explain the application of gravity in nursing
2. Write notes on CAT scanning and MRI scanning

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

3. Define fundamental and derived units give examples
4. Explain the inclined plane
5. Write a neat diagram of the human eye and indicate the focusing elements
6. What is ocular pressure? How IOP is measured
7. Explain how X – rays are produced

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

8. Distinguish between mass and weight
9. Define force and write its units
10. What is defibrillation
11. What are isotopes and isobars
