

Rajiv Gandhi University of Health Sciences, Karnataka
I year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

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 OP 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
