

I year B.Sc. Nursing (PC) Degree Examination – SEP - 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. State Newton's law of Gravitation. List the clinical applications of gravity.
2. Explain radioactivity. Write the uses of radioactive isotopes in medicine.

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

3. List the types of temperature scales and explain clinical thermometer in detail.
4. Mention the types of heat transmission with suitable examples
5. Distinguish between ECG and EMG
6. List the applications of light in nursing
7. Define energy and its types with suitable examples.

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

8. Intracranial pressure
9. Simple machines
10. Insulators
11. Convert 98.6 Fahrenheit in to centigrade scale

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