

First Year B.Sc Nursing Degree Examinations October 2018

**Physiology
(2016 Scheme)**

Time: 3 Hrs

Max. Marks: 75

- Answer all questions
- Draw diagram wherever necessary

Essay: (12)

1. Define haemostasis and mention the steps in haemostasis. Describe the intrinsic and extrinsic coagulation pathways. Add a note on anti-coagulants. (4+4+4)

Short essays: (2x7=14)

2. Describe the spinothalamic and pyramidal tract pathways. (3+4)
3. Define cardiac output and mention the normal value. Describe the factors influencing cardiac output. (3+4)

Short notes: (5x5=25)

4. Conduction system of the heart.
5. Neuromuscular junction.
6. Mechanism of hearing.
7. Micturition reflex.
8. Neural regulation of respiration.

Answer briefly: (3x4=12)

9. Functions of bile.
10. Active transport.
11. Functions of testosterone

Differentiate between: (3x4=12)

12. innate and acquired immunity
13. Parathyroid hormone and calcitonin.
14. Actions of sympathetic and parasympathetic nervous system
