

First Year B.Sc Nursing Degree Supplementary Examinations May 2018

**Physiology
(2016 Scheme)**

Time: 3 Hrs

Max. Marks: 75

- Answer all questions
- Draw diagram wherever necessary

Essay: (12)

1. Explain the steps in erythropoiesis. Describe the various factors influencing erythropoiesis. Add a note on functions of RBCs. (4+4+4)

Short essays: (2x7=14)

2. Define blood pressure and mention its normal values. Describe the various factors affecting blood pressure. (3+4)
3. Describe the uterine changes during the various phases of the menstrual cycle. Add a note on contraceptive methods. (4+3)

Short notes: (5x5=25)

4. Factors affecting glomerular filtration rate.
5. Functions of saliva.
6. Reflex arc.
7. Functions of skin.
8. Chemical regulation of respiration.

Answer briefly: (3x4=12)

9. Functions of plasma proteins.
10. Functions of cerebellum.
11. Functions of liver

Differentiate between: (3x4=12)

12. Cardiac and skeletal muscle.
13. Rods and cones.
14. Actions of insulin and glucagon
