

**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

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