

**Q.P. CODE: 112010**

**Reg. No: .....**

**First Year B.Sc Nursing Degree Examinations, November 2017**

**Physiology**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essay: (12)**

1. Define erythropoiesis. Describe the different stages of erythropoiesis. (2+10)

**Short essays: (2x7=14)**

2. Describe the physiological events in skeletal muscle contraction.

3. Define synapse. What are the properties of synapse

**Short notes: (5x5=25)**

4. Coronary circulation

5. Carbon-di-oxide (CO<sub>2</sub>) transport

6. Hormones of posterior pituitary and their functions

7. Stages of spermatogenesis

8. Types and functions of immunoglobulins

**Answer briefly: (3x4=12)**

9. Composition and functions of saliva

10. Color blindness

11. Neurotransmitters

**Differentiate between: (3x4=12)**

12. Proliferative phase and secretory phase of menstrual cycle

13. Active transport and passive transport

14. Skeletal muscle and smooth muscle

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