

**First Year B.Sc MLT Degree Examinations, September 2017**

**Physiology**

**(2016 Scheme)**

**Time: 2 Hours**

**Total Marks: 50**

- Answer all questions.
- Draw diagrams wherever necessary.

**Essay**

**(10)**

1. Describe the stages of erythropoiesis. Add a note on factors effecting erythropoiesis.

**(5+5)**

**Short notes**

**(5x5=25)**

2. Describe the production, circulation and functions of CSF.
3. Name the hormones of adrenal gland. Explain the functions and actions of glucocorticoids.
4. Explain the uterine changes during menstrual cycle with their hormonal basis.
5. Describe the neural regulation of respiration.
6. Describe the reabsorption of glucose at the renal tubules.

**Answer briefly**

**(5x3=15)**

7. Define vital capacity with its significance
8. Contents and functions of middle ear.
9. What is peristalsis. Mention its functions.
10. Define cardiac output with normal values.
11. List the functions of hypothalamus.

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