

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**

**B.Sc. (PHYSICIAN ASSISTANT) DEGREE EXAMINATION**

**February 2020**

**First Year**

**PHYSIOLOGY**

Time: Three hours

Maximum: 75 marks

**I. Write an essay on any ONE of the following: (1 x 20 = 20)**

1. Define menstrual cycle and Explain the phases of menstrual cycle.
2. Explain the transport of oxygen in the blood.

**II. Write short notes on any TWO of the following: (2 x 10 = 20)**

3. Define erythropoiesis and explain its stages with neat diagram.
4. Name the different types of salivary gland and write the composition and functions of saliva.
5. Explain the mechanism of respiration.
6. What are the different lung volumes and capacities.

**III. Write short answers on any SEVEN of the following: (7 x 5 = 35)**

7. Micturition.
8. Visual pathway.
9. Functions of bile.
10. Electrocardiogram.
11. Functions of plasma proteins.
12. Active transport.
13. Contraceptive method.
14. Functions of thalamus.
15. Juxtaglomerular apparatus.
16. Cerebral circulation.

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